Hugo A Katus

List of Publications by Year
in descending order

448 papers	25,753 citations	17440 63 h-index	8396 147 g-index
456 all docs	456 docs citations	456 times ranked	28462 citing authors

#	Article	IF	Citations
1	Ticagrelor versus Clopidogrel in Patients with Acute Coronary Syndromes. New England Journal of Medicine, 2009, 361, 1045-1057.	27.0	6,019
2	Fourth universal definition of myocardial infarction (2018). European Heart Journal, 2019, 40, 237-269.	2.2	2,687
3	Analytical Validation of a High-Sensitivity Cardiac Troponin T Assay. Clinical Chemistry, 2010, 56, 254-261.	3.2	926
4	How to use high-sensitivity cardiac troponins in acute cardiac care. European Heart Journal, 2012, 33, 2252-2257.	2.2	666
5	Recommendations for the use of cardiac troponin measurement in acute cardiac care. European Heart Journal, 2010, 31, 2197-2204.	2.2	533
6	Intracellular compartmentation of cardiac troponin T and its release kinetics in patients with reperfused and nonreperfused myocardial infarction. American Journal of Cardiology, 1991, 67, 1360-1367.	1.6	494
7	Independent Prognostic Value of Cardiac Troponin T in Patients With Confirmed Pulmonary Embolism. Circulation, 2000, 102, 211-217.	1.6	456
8	Atlas of the clinical genetics of human dilated cardiomyopathy. European Heart Journal, 2015, 36, 1123-1135.	2.2	456
9	European Society of Cardiology: cardiovascular disease statistics 2021. European Heart Journal, 2022, 43, 716-799.	2.2	343
10	High-Sensitivity Cardiac Troponin T for Early Prediction of Evolving Non–ST-Segment Elevation Myocardial Infarction in Patients with Suspected Acute Coronary Syndrome and Negative Troponin Results on Admission. Clinical Chemistry, 2010, 56, 642-650.	3.2	303
11	Application of High-Sensitivity Troponin in Suspected Myocardial Infarction. New England Journal of Medicine, 2019, 380, 2529-2540.	27.0	230
12	Long-Term Prognosis of Patients With Takotsubo Syndrome. Journal of the American College of Cardiology, 2018, 72, 874-882.	2.8	224
13	T1 mapping in dilated cardiomyopathy with cardiac magnetic resonance: quantification of diffuse myocardial fibrosis and comparison with endomyocardial biopsy. European Heart Journal Cardiovascular Imaging, 2015, 16, 210-216.	1.2	217
14	Absolute and Relative Kinetic Changes of High-Sensitivity Cardiac Troponin T in Acute Coronary Syndrome and in Patients with Increased Troponin in the Absence of Acute Coronary Syndrome. Clinical Chemistry, 2012, 58, 209-218.	3.2	215
15	Assessment of myocardial deformation with cardiac magnetic resonance strain imaging improves risk stratification in patients with dilated cardiomyopathy. European Heart Journal Cardiovascular Imaging, 2015, 16, 307-315.	1.2	211
16	Cardiac AAV9-S100A1 Gene Therapy Rescues Post-Ischemic Heart Failure in a Preclinical Large Animal Model. Science Translational Medicine, 2011, 3, 92ra64.	12.4	197
17	Early discharge using single cardiac troponin and copeptin testing in patients with suspected acute coronary syndrome (ACS): a randomized, controlled clinical process study. European Heart Journal, 2015, 36, 369-376.	2.2	182
18	ST-segment elevation myocardial infarction. Nature Reviews Disease Primers, 2019, 5, 39.	30.5	179

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19	Upregulation of K$_{2P}$3.1 K$^+$ Current Causes Action Potential Shortening in Patients With Chronic Atrial Fibrillation. Circulation, 2015, 132, 82-92.	1.6	172
20	Clinical genetics and outcome of left ventricular non-compaction cardiomyopathy. European Heart Journal, 2017, 38, 3449-3460.	2.2	168
21	Determinants of troponin release in patients with stable coronary artery disease: insights from CT angiography characteristics of atherosclerotic plaque. Heart, 2011, 97, 823-831.	2.9	166
22	Age- and gender-related normal left ventricular deformation assessed by cardiovascular magnetic resonance feature tracking. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 25.	3.3	162
23	Calcium Signaling and Transcriptional Regulation in Cardiomyocytes. Circulation Research, 2017, 121, 1000-1020.	4.5	156
24	Genotype-phenotype associations in dilated cardiomyopathy: meta-analysis on more than 8000 individuals. Clinical Research in Cardiology, 2017, 106, 127-139.	3.3	156
25	Cardiac CaM Kinase II Genes Î´ and Î³ Contribute to Adverse Remodeling but Redundantly Inhibit Calcineurin-Induced Myocardial Hypertrophy. Circulation, 2014, 130, 1262-1273.	1.6	149
26	Reliability of Noninvasive Assessment of Systolic Pulmonary Artery Pressure by Doppler Echocardiography Compared to Right Heart Catheterization: Analysis in a Large Patient Population. Journal of the American Heart Association, 2014, 3, .	3.7	147
27	Epigenome-Wide Association Study Identifies Cardiac Gene Patterning and a Novel Class of Biomarkers for Heart Failure. Circulation, 2017, 136, 1528-1544.	1.6	139
28	Happy heart syndrome: role of positive emotional stress in takotsubo syndrome. European Heart Journal, 2016, 37, 2823-2829.	2.2	136
29	Mybpc3 gene therapy for neonatal cardiomyopathy enables long-term disease prevention in mice. Nature Communications, 2014, 5, 5515.	12.8	131
30	Critical role of RAGE and HMGB1 in inflammatory heart disease. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E155-64.	7.1	130
31	The Symptom Complex of Familial Sinus Node Dysfunction and Myocardial Noncompaction Is Associated With Mutations in the HCN4 Channel. Journal of the American College of Cardiology, 2014, 64, 757-767.	2.8	128
32	Osteopontin is indispensible for AP1-mediated angiotensin II-related miR-21 transcription during cardiac fibrosis. European Heart Journal, 2015, 36, 2184-2196.	2.2	117
33	IL-17A Influences Essential Functions of the Monocyte/Macrophage Lineage and Is Involved in Advanced Murine and Human Atherosclerosis. Journal of Immunology, 2014, 193, 4344-4355.	0.8	115
34	m^{6}A-mRNA methylation regulates cardiac gene expression and cellular growth. Life Science Alliance, 2019, 2, e201800233.	2.8	109
35	Diagnostic and prognostic implications using age- and gender-specific cut-offs for high-sensitivity cardiac troponin T â€" Sub-analysis from the TRAPID-AMI study. International Journal of Cardiology, 2016, 209, 26-33.	1.7	101
36	Rapid Deployment Versus Conventional Bioprosthetic Valve Replacement for Aortic Stenosis. Journal of the American College of Cardiology, 2018, 71, 1417-1428.	2.8	100

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37	Clinical outcomes associated with sarcomere mutations in hypertrophic cardiomyopathy: a meta-analysis on 7675 individuals. Clinical Research in Cardiology, 2018, 107, 30-41.	3.3	99
38	Patients at low surgical risk as defined by the Society of Thoracic Surgeons Score undergoing isolated interventional or surgical aortic valve implantation: in-hospital data and 1-year results from the German Aortic Valve Registry (GARY). European Heart Journal, 2019, 40, 1323-1330.	2.2	97
39	Ca M Kinase II mediates maladaptive post‑infarct remodeling and pro‑inflammatory chemoattractant signaling but not acute myocardial ischemia/reperfusion injury. EMBO Molecular Medicine, 2014, 6, 1231-1245.	6.9	94
40	Carpal tunnel syndrome and spinal canal stenosis: harbingers of transthyretin amyloid cardiomyopathy?. Clinical Research in Cardiology, 2019, 108, 1324-1330.	3.3	93
41	Feasibility Study on Cardiac Arrhythmia Ablation Using High-Energy Heavy Ion Beams. Scientific Reports, 2016, 6, 38895.	3.3	92
42	Relationship Between Cardiac Fibroblast Activation Protein Activity by Positron Emission Tomography and Cardiovascular Disease. Circulation: Cardiovascular Imaging, 2020, 13, e010628.	2.6	92
43	Intracoronary autologous bone marrow cell transfer after myocardial infarction: the BOOST-2 randomised placebo-controlled clinical trial. European Heart Journal, 2017, 38, 2936-2943.	2.2	91
44	High-sensitive troponin T: a novel biomarker for prognosis and disease severity in patients with pulmonary arterial hypertension. Clinical Science, 2010, 119, 207-213.	4.3	90
45	Combined Testing of High-Sensitivity Troponin T and Copeptin on Presentation at Prespecified Cutoffs Improves Rapid Rule-Out of Non‑ST-Segment Elevation Myocardial Infarction. Clinical Chemistry, 2011, 57, 1452-1455.	3.2	88
46	Altered HCN4 channel C-linker interaction is associated with familial tachycardia‑bradycardia syndrome and atrial fibrillation. European Heart Journal, 2013, 34, 2768-2775.	2.2	84
47	Influence of the Confounding Factors Age and Sex on MicroRNA Profiles from Peripheral Blood. Clinical Chemistry, 2014, 60, 1200-1208.	3.2	84
48	Biomarker Changes after Strenuous Exercise Can Mimic Pulmonary Embolism and Cardiac Injury‑A Metaanalysis of 45 Studies. Clinical Chemistry, 2015, 61, 1246-1255.	3.2	81
49	A New Metabolomic Signature in Type-2 Diabetes Mellitus and Its Pathophysiology. PLoS ONE, 2014, 9, e85082.	2.5	80
50	ATF6 Regulates Cardiac Hypertrophy by Transcriptional Induction of the mTORC1 Activator, Rheb. Circulation Research, 2019, 124, 79-93.	4.5	80
51	CXCL4-induced plaque macrophages can be specifically identified by co-expression of MMP7$^+$S100A8$^+$ *inÂvitro* and *inÂvivo*. Innate Immunity, 2015, 21, 255-265.	2.4	79
52	Cardiac arrest in takotsubo syndrome: results from the InterTAK Registry. European Heart Journal, 2019, 40, 2142-2151.	2.2	79
53	Sex-related outcome of atrial fibrillation ablation: Insights from the German Ablation Registry. Heart Rhythm, 2016, 13, 1837-1844.	0.7	77
54	O-GlcNAcylation of Histone Deacetylase 4 Protects the Diabetic Heart From Failure. Circulation, 2019, 140, 580-594.	1.6	77

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55	Cardiac Amyloid Load. Journal of the American College of Cardiology, 2016, 68, 13-24.	2.8	76
56	Outcomes Associated With Cardiogenic Shock in Takotsubo Syndrome. Circulation, 2019, 139, 413-415.	1.6	75
57	miRNAs can be generally associated with human pathologies as exemplified for miR-144*. BMC Medicine, 2014, 12, 224.	5.5	74
58	Inverse remodelling of $K_{2P}3.1$ K^+ channel expression and action potential duration in left ventricular dysfunction and atrial fibrillation: implications for patient-specific antiarrhythmic drug therapy. European Heart Journal, 2017, 38, ehw559.	2.2	74
59	Comparison of the new high sensitive cardiac troponin T with myoglobin, h-FABP and cTnT for early identification of myocardial necrosis in the acute coronary syndrome. Clinical Research in Cardiology, 2011, 100, 209-215.	3.3	72
60	One year clinical efficacy and reverse cardiac remodelling in patients with severe mitral regurgitation and reduced ejection fraction after MitraClip$^{Â©}$ implantation. European Journal of Heart Failure, 2013, 15, 919-927.	7.1	71
61	Trends in practice and outcomes from 2011 to 2015 for surgical aortic valve replacement: an update from the German Aortic Valve Registry on 42Â776 patients. European Journal of Cardio-thoracic Surgery, 2018, 53, 552-559.	1.4	71
62	Natural genetic variation of the cardiac transcriptome in non-diseased donors and patients with dilated cardiomyopathy. Genome Biology, 2017, 18, 170.	8.8	70
63	Advanced Echocardiography in Adult Zebrafish Reveals Delayed Recovery of Heart Function after Myocardial Cryoinjury. PLoS ONE, 2015, 10, e0122665.	2.5	69
64	Rapid and highly efficient inducible cardiac gene knockout in adult mice using AAV-mediated expression of Cre recombinase. Cardiovascular Research, 2014, 104, 15-23.	3.8	68
65	Cardiac RKIP induces a beneficial Î²-adrenoceptorâ€"dependent positive inotropy. Nature Medicine, 2015, 21, 1298-1306.	30.7	67
66	S100A1 is released from ischemic cardiomyocytes and signals myocardial damage via Tollâ€like receptor 4. EMBO Molecular Medicine, 2014, 6, 778-794.	6.9	66
67	Improved outcomes after heart transplantation for cardiac amyloidosis in the modern era. Journal of Heart and Lung Transplantation, 2018, 37, 611-618.	0.6	66
68	Towards Personalized Cardiology: Multi-Scale Modeling of the Failing Heart. PLoS ONE, 2015, 10, e0134869.	2.5	65
69	RAPID-CPU: a prospective study on implementation of the ESC 0/1-hour algorithm and safety of discharge after rule-out of myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2020, 9, 39-51.	1.0	63
70	Green tea extract as a treatment for patients with wild-type transthyretin amyloidosis: an observational study. Drug Design, Development and Therapy, 2015, 9, 6319.	4.3	61
71	Identification and Functional Characterization of Hypoxia-Induced Endoplasmic Reticulum Stress Regulating lncRNA (HypERlnc) in Pericytes. Circulation Research, 2017, 121, 368-375.	4.5	61
72	Clinical and genetic insights into non-compaction: a meta-analysis and systematic review on 7598 individuals. Clinical Research in Cardiology, 2019, 108, 1297-1308.	3.3	61

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73	COVID-19 among heart transplant recipients in Germany: a multicenter survey. Clinical Research in Cardiology, 2020, 109, 1531-1539.	3.3	60
74	Prediction of functional recovery by cardiac magnetic resonance feature tracking imaging in first time ST-elevation myocardial infarction. Comparison to infarct size and transmurality by late gadolinium enhancement. International Journal of Cardiology, 2015, 183, 162-170.	1.7	58
75	Safety and efficacy of <scp>MitraClip</scp>â„¢ therapy in patients with severely impaired left ventricular ejection fraction: results from the German transcatheter mitral valve interventions (<scp>TRAMI</scp>) registry. European Journal of Heart Failure, 2018, 20, 598-608.	7.1	57
76	Monitoring Cell-Typeâ€"Specific Gene Expression Using Ribosome Profiling In Vivo During Cardiac Hemodynamic Stress. Circulation Research, 2019, 125, 431-448.	4.5	56
77	The cardiac microenvironment uses nonâ€canonical <scp>WNT</scp> signaling to activate monocytes after myocardial infarction. EMBO Molecular Medicine, 2017, 9, 1279-1293.	6.9	55
78	Impact of new pacemaker implantation following surgical and transcatheter aortic valve replacement on 1-year outcome. European Journal of Cardio-thoracic Surgery, 2020, 57, 151-159.	1.4	55
79	Early Detection of Checkpoint Inhibitor-Associated Myocarditis Using 68Ga-FAPI PET/CT. Frontiers in Cardiovascular Medicine, 2021, 8, 614997.	2.4	55
80	Noninvasive Risk Stratification of Patients With Transthyretin Amyloidosis. JACC: Cardiovascular Imaging, 2014, 7, 502-510.	5.3	54
81	miR-223â€"IGF-IR signalling in hypoxia- and load-induced right-ventricular failure: a novel therapeutic approach. Cardiovascular Research, 2016, 111, 184-193.	3.8	54
82	Acute Safety and 30-Day Outcome After Percutaneous Edge-to-Edge Repair of Mitral Regurgitation in Very High-Risk Patients. American Journal of Cardiology, 2011, 108, 1478-1482.	1.6	53
83	Regulation of CaMKII signaling in cardiovascular disease. Frontiers in Pharmacology, 2015, 6, 178.	3.5	53
84	Left ventricular mechanics assessed by two-dimensional echocardiography and cardiac magnetic resonance imaging: comparison of high-resolution speckle tracking and feature tracking. European Heart Journal Cardiovascular Imaging, 2016, 17, 1370-1378.	1.2	52
85	Anxiety and self-care behaviour in patients with chronic systolic heart failure: A multivariate model. European Journal of Cardiovascular Nursing, 2018, 17, 170-177.	0.9	52
86	Minimal important difference for 6-minute walk test distances among patients with chronic heart failure. International Journal of Cardiology, 2014, 176, 94-98.	1.7	51
87	Evidence of autoantibodies against cardiac troponin I and sarcomeric myosin in peripartum cardiomyopathy. Basic Research in Cardiology, 2015, 110, 60.	5.9	51
88	Left ventricular long axis strain: a new prognosticator in non-ischemic dilated cardiomyopathy?. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 36.	3.3	51
89	Ataxin-10 is part of a cachexokine cocktail triggering cardiac metabolic dysfunction in cancer cachexia. Molecular Metabolism, 2016, 5, 67-78.	6.5	51
90	Strainâ€encoded magnetic resonance: a method for the assessment of myocardial deformation. ESC Heart Failure, 2019, 6, 584-602.	3.1	51

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91	Cardiac Troponin T. Circulation Journal, 2013, 77, 1653-1661.	1.6	50
92	NOAC monotherapy in patients with concomitant indications for oral anticoagulation undergoing transcatheter aortic valve implantation. Clinical Research in Cardiology, 2018, 107, 799-806.	3.3	50
93	Coexistence and outcome of coronary artery disease in Takotsubo syndrome. European Heart Journal, 2020, 41, 3255-3268.	2.2	49
94	Improvements of Procedural Results With a New‐Generation Self‐Expanding Transfemoral Aortic Valve Prosthesis in Comparison to the Old‐Generation Device. Journal of Interventional Cardiology, 2017, 30, 72-78.	1.2	48
95	The Inotropic Peptide βARKct Improves βAR Responsiveness in Normal and Failing Cardiomyocytes Through G$_{\beta\gamma}$-Mediated L-Type Calcium Current Disinhibition. Circulation Research, 2011, 108, 27-39.	4.5	47
96	Cloning, functional characterization, and remodeling of K2P3.1 (TASK-1) potassium channels in a porcine model of atrial fibrillation and heart failure. Heart Rhythm, 2014, 11, 1798-1805.	0.7	47
97	Herg K+ Channel-Dependent Apoptosis and Cell Cycle Arrest in Human Glioblastoma Cells. PLoS ONE, 2014, 9, e88164.	2.5	46
98	Fast assessment of long axis strain with standard cardiovascular magnetic resonance: a validation study of a novel parameter with reference values. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 69.	3.3	45
99	Role of ion channels in heart failure and channelopathies. Biophysical Reviews, 2018, 10, 1097-1106.	3.2	45
100	Inducible cardiomyocyte-specific deletion of CaM kinase II protects from pressure overload-induced heart failure. Basic Research in Cardiology, 2016, 111, 65.	5.9	44
101	Myocardial Perfusion Reserve and Strain-Encoded CMR for Evaluation of CardiacÂAllograft Microvasculopathy. JACC: Cardiovascular Imaging, 2016, 9, 255-266.	5.3	44
102	Protocol for Efficient Generation and Characterization of Adeno-Associated Viral Vectors. Human Gene Therapy Methods, 2017, 28, 235-246.	2.1	44
103	Therapeutic targeting of two-pore-domain potassium (K2P) channels in the cardiovascular system. Clinical Science, 2016, 130, 643-650.	4.3	43
104	TREK-1 (K2P2.1) K+ channels are suppressed in patients with atrial fibrillation and heart failure and provide therapeutic targets for rhythm control. Basic Research in Cardiology, 2017, 112, 8.	5.9	43
105	Genomic structural variations lead to dysregulation of important coding and non‐coding RNA species in dilated cardiomyopathy. EMBO Molecular Medicine, 2018, 10, 107-120.	6.9	43
106	Data-driven estimation of cardiac electrical diffusivity from 12-lead ECG signals. Medical Image Analysis, 2014, 18, 1361-1376.	11.6	42
107	Age-Related Variations in Takotsubo Syndrome. Journal of the American College of Cardiology, 2020, 75, 1869-1877.	2.8	42
108	Basophils balance healing after myocardial infarction via IL-4/IL-13. Journal of Clinical Investigation, 2021, 131, .	8.2	42

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109	Prevalence of M4 macrophages within human coronary atherosclerotic plaques is associated with features of plaque instability. International Journal of Cardiology, 2015, 186, 219-225.	1.7	41
110	Ion Channel Dysfunctions in Dilated Cardiomyopathy in Limb-Girdle Muscular Dystrophy. Circulation Genomic and Precision Medicine, 2018, 11, e001893.	3.6	40
111	Assessment of Left Ventricular Volumes with Echocardiography and Cardiac Magnetic Resonance Imaging: Real-Life Evaluation of Standard versus New Semiautomatic Methods. Journal of the American Society of Echocardiography, 2014, 27, 1017-1024.	2.8	39
112	Diagnostic and Prognostic Value of Long-Axis Strain and Myocardial Contraction Fraction Using Standard Cardiovascular MR Imaging in Patients with Nonischemic Dilated Cardiomyopathies. Radiology, 2017, 283, 681-691.	7.3	38
113	Induction of cardiac dysfunction in developing and adult zebrafish by chronic isoproterenol stimulation. Journal of Molecular and Cellular Cardiology, 2017, 108, 95-105.	1.9	38
114	CaMKII activation participates in doxorubicin cardiotoxicity and is attenuated by moderate GRP78 overexpression. PLoS ONE, 2019, 14, e0215992.	2.5	38
115	Gender-specific reference values for high-sensitivity cardiac troponin T and I in well-phenotyped healthy individuals and validity of high-sensitivity assay designation. Clinical Biochemistry, 2020, 78, 18-24.	1.9	38
116	Myocardial injury in severe COVID-19 infection. European Heart Journal, 2020, 41, 2080-2082.	2.2	38
117	Feasibility and clinical benefit of a suture-mediated closure device for femoral vein access after percutaneous edge-to-edge mitral valve repair. EuroIntervention, 2015, 10, 1346-1353.	3.2	38
118	Quantitative analysis of left ventricular strain using cardiac computed tomography. European Journal of Radiology, 2014, 83, e123-e130.	2.6	37
119	The Novel Extracellular Cyclophilin A (CyPA) - Inhibitor MM284 Reduces Myocardial Inflammation and Remodeling in a Mouse Model of Troponin I -Induced Myocarditis. PLoS ONE, 2015, 10, e0124606.	2.5	37
120	Stretch-activated two-pore-domain (K2P) potassium channels in the heart: Focus on atrial fibrillation and heart failure. Progress in Biophysics and Molecular Biology, 2017, 130, 233-243.	2.9	37
121	In-hospital mortality in propensity-score matched low-risk patients undergoing routine isolated surgical or transfemoral transcatheter aortic valve replacement in 2014 in Germany. Clinical Research in Cardiology, 2017, 106, 610-617.	3.3	37
122	A comparative study on endovascular treatment of (sub)acute critical limb ischemia: mechanical thrombectomy vs thrombolysis. Drug Design, Development and Therapy, 2017, Volume 11, 1233-1241.	4.3	37
123	Fast Strain-Encoded Cardiac MagneticÂResonance for Diagnostic Classification and Risk Stratification of Heart Failure Patients. JACC: Cardiovascular Imaging, 2021, 14, 1177-1188.	5.3	37
124	Calcium/Calmodulin-Dependent Protein Kinase II Couples Wnt Signaling With Histone Deacetylase 4 and Mediates Dishevelled-Induced Cardiomyopathy. Hypertension, 2015, 65, 335-344.	2.7	36
125	Intraventricular Thrombus Formation and Embolism in Takotsubo Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 279-287.	2.4	34
126	Serial Sampling of High-Sensitivity Cardiac Troponin T May Not Be Required for Prediction of Acute Myocardial Infarction Diagnosis in Chest Pain Patients with Highly Abnormal Concentrations at Presentation. Clinical Chemistry, 2017, 63, 542-551.	3.2	33

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127	Atrial fibrillation and heart failure-associated remodeling of two-pore-domain potassium (K2P) channels in murine disease models: focus on TASK-1. Basic Research in Cardiology, 2018, 113, 27.	5.9	33
128	Protein Misfolding in Cardiac Disease. Circulation, 2019, 139, 2085-2088.	1.6	33
129	Late gadolinium enhancement assessed by cardiac magnetic resonance imaging in heart transplant recipients with different stages of cardiac allograft vasculopathy. European Heart Journal Cardiovascular Imaging, 2014, 15, 1125-1132.	1.2	32
130	Myocardial contraction fraction derived from cardiovascular magnetic resonance cine imagesâ€"reference values and performance in patients with heart failure and left ventricular hypertrophy. European Heart Journal Cardiovascular Imaging, 2017, 18, 1414-1422.	1.2	32
131	Reference values for left and right ventricular trabeculation and non-compacted myocardium. International Journal of Cardiology, 2015, 185, 240-247.	1.7	31
132	Incremental value of cardiac deformation analysis in acute myocarditis: a cardiovascular magnetic resonance imaging study. International Journal of Cardiovascular Imaging, 2016, 32, 1093-1101.	1.5	31
133	Essential role of sympathetic endothelin A receptors for adverse cardiac remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13499-13504.	7.1	30
134	G protein-coupled receptor kinase 2 promotes cardiac hypertrophy. PLoS ONE, 2017, 12, e0182110.	2.5	30
135	Experimental ischaemic stroke induces transient cardiac atrophy and dysfunction. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 54-62.	7.3	30
136	Quantification of myocardial deformation in children by cardiovascular magnetic resonance feature tracking: determination of reference values for left ventricular strain and strain rate. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 8.	3.3	29
137	Amyloid-Î² (1-40) and Mortality in Patients With Nonâ€"ST-Segment Elevation Acute Coronary Syndrome. Annals of Internal Medicine, 2018, 168, 855.	3.9	29
138	Performance analysis of AL amyloidosis cardiac biomarker staging systems with special focus on renal failure and atrial arrhythmia. Haematologica, 2019, 104, 1451-1459.	3.5	29
139	CITED4 Protects Against Adverse Remodeling in Response to Physiological and Pathological Stress. Circulation Research, 2020, 127, 631-646.	4.5	29
140	European Society of Cardiology: cardiovascular disease statistics 2021: Executive Summary. European Heart Journal Quality of Care & Clinical Outcomes, 2022, 8, 377-382.	4.0	29
141	Inflammatory therapeutic targets in coronary atherosclerosisÃ¢â‚¬â€from molecular biology to clinical application. Frontiers in Physiology, 2014, 5, 455.	2.8	28
142	Adventitial tertiary lymphoid organ classification in human atherosclerosis. Cardiovascular Pathology, 2018, 32, 8-14.	1.6	28
143	New insights into the genetics of glioblastoma multiforme by familial exome sequencing. Oncotarget, 2015, 6, 5918-5931.	1.8	28
144	Analysis of malignancies in patients after heart transplantation with subsequent immunosuppressive therapy. Drug Design, Development and Therapy, 2014, 9, 93.	4.3	27

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145	Prognostic value of elevated high-sensitivity cardiac troponin T levels in a low risk outpatient population with cardiovascular disease. European Heart Journal: Acute Cardiovascular Care, 2016, 5, 409-418.	1.0	27
146	Bisoprolol compared with carvedilol and metoprolol succinate in the treatment of patients with chronic heart failure. Clinical Research in Cardiology, 2017, 106, 711-721.	3.3	27
147	Skeletal muscle derived Musclin protects the heart during pathological overload. Nature Communications, 2022, 13, 149.	12.8	27
148	Standard heart failure medication in cardiac transthyretin amyloidosis: useful or harmful?. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 132-133.	3.0	26
149	Galectin-3 binding protein, coronary artery disease and cardiovascular mortality: Insights from the LURIC study. Atherosclerosis, 2017, 260, 121-129.	0.8	26
150	Biomarkers for Clinical Decision-Making in the Management of Pulmonary Embolism. Clinical Chemistry, 2017, 63, 91-100.	3.2	26
151	Comprehensive plasma and tissue profiling reveals systemic metabolic alterations in cardiac hypertrophy and failure. Cardiovascular Research, 2019, 115, 1296-1305.	3.8	26
152	Comparative efficacy of sodium-glucose cotransporter-2 inhibitors (SGLT2i) for cardiovascular outcomes in type 2 diabetes: a systematic review and network meta-analysis of randomised controlled trials. Heart Failure Reviews, 2021, 26, 1421-1435.	3.9	26
153	Mechanosensitive TREK-1 two-pore-domain potassium (K2P) channels in the cardiovascular system. Progress in Biophysics and Molecular Biology, 2021, 159, 126-135.	2.9	26
154	Prognostic value of novel imaging parameters derived from standard cardiovascular magnetic resonance in high risk patients with systemic light chain amyloidosis. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 53.	3.3	25
155	Glucagon-like peptide 1 levels predict cardiovascular risk in patients with acute myocardial infarction. European Heart Journal, 2020, 41, 882-889.	2.2	25
156	Genetic Ablation of TASK-1 (Tandem of P Domains in a Weak Inward Rectifying K ⁺) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Channels Suppresses Atrial Fibrillation and Prevents Electrical Remodeling. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007465.	4.8	25
157	Combined testing of copeptin and high-sensitivity cardiac troponin T at presentation in comparison to other algorithms for rapid rule-out of acute myocardial infarction. International Journal of Cardiology, 2019, 276, 261-267.	1.7	25
158	Epicardial Adipose Tissue Is Associated with Plaque Burden and Composition and Provides Incremental Value for the Prediction of Cardiac Outcome. A Clinical Cardiac Computed Tomography Angiography Study. PLoS ONE, 2016, 11, e0155120.	2.5	24
159	Differential regulation of aldose reductase expression during macrophage polarization depends on hyperglycemia. Innate Immunity, 2016, 22, 230-237.	2.4	24
160	Impact of aspirin on takotsubo syndrome: a propensity score–based analysis of the InterTAK Registry. European Journal of Heart Failure, 2020, 22, 330-337.	7.1	24
161	Initial experience with robotic navigation for catheter ablation of paroxysmal and persistent atrial fibrillation. Journal of Electrocardiology, 2012, 45, 95-101.	0.9	23
162	Cardiovascular magnetic resonance of cardiac morphology and function: impact of different strategies of contour drawing and indexing. Clinical Research in Cardiology, 2019, 108, 411-429.	3.3	23

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163	Comparative Transcriptomics of Immune Checkpoint Inhibitor Myocarditis Identifies Guanylate Binding Protein 5 and 6 Dysregulation. Cancers, 2021, 13, 2498.	3.7	23
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