

# Gavin Y Oudit

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6776368/gavin-y-oudit-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

267  
papers

17,718  
citations

70  
h-index

127  
g-index

305  
ext. papers

20,880  
ext. citations

6.9  
avg, IF

6.84  
L-index

#	Paper	IF	Citations
267	Angiotensin-converting enzyme 2 is an essential regulator of heart function. <i>Nature</i> , <b>2002</b> , 417, 822-8	50.4	1345
266	Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2. <i>Circulation Research</i> , <b>2020</b> , 126, 1456-1474 <sup>1012</sup>	15.7	1474
265	SARS-coronavirus modulation of myocardial ACE2 expression and inflammation in patients with SARS. <i>European Journal of Clinical Investigation</i> , <b>2009</b> , 39, 618-25	4.6	576
264	Regulation of myocardial contractility and cell size by distinct PI3K-PTEN signaling pathways. <i>Cell</i> , <b>2002</b> , 110, 737-49	56.2	497
263	Role of the ACE2/Angiotensin 1-7 Axis of the Renin-Angiotensin System in Heart Failure. <i>Circulation Research</i> , <b>2016</b> , 118, 1313-26	15.7	478
262	The role of phosphoinositide-3 kinase and PTEN in cardiovascular physiology and disease. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2004</b> , 37, 449-71	5.8	381
261	L-type Ca <sup>2+</sup> channels provide a major pathway for iron entry into cardiomyocytes in iron-overload cardiomyopathy. <i>Nature Medicine</i> , <b>2003</b> , 9, 1187-94	50.5	349
260	Dendritic cell-induced autoimmune heart failure requires cooperation between adaptive and innate immunity. <i>Nature Medicine</i> , <b>2003</b> , 9, 1484-90	50.5	345
259	Angiotensin-converting enzyme 2 suppresses pathological hypertrophy, myocardial fibrosis, and cardiac dysfunction. <i>Circulation</i> , <b>2010</b> , 122, 717-28, 18 p following 728	16.7	341
258	Cells of the adult human heart. <i>Nature</i> , <b>2020</b> , 588, 466-472	50.4	274
257	Human recombinant ACE2 reduces the progression of diabetic nephropathy. <i>Diabetes</i> , <b>2010</b> , 59, 529-38	0.9	234
256	Angiotensin converting enzyme-2 confers endothelial protection and attenuates atherosclerosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H1377-84	5.2	223
255	Loss of angiotensin-converting enzyme-2 (Ace2) accelerates diabetic kidney injury. <i>American Journal of Pathology</i> , <b>2007</b> , 171, 438-51	5.8	213
254	Angiotensin II induced proteolytic cleavage of myocardial ACE2 is mediated by TACE/ADAM-17: a positive feedback mechanism in the RAS. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 66, 167-76	5.8	211
253	Circadian rhythm disorganization produces profound cardiovascular and renal disease in hamsters. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 294, R1675-83 <sup>3.2</sup>	3.2	211
252	Multidisciplinary Approach to Novel Therapies in Cardio-Oncology Research (MANTICORE 101-Breast): A Randomized Trial for the Prevention of Trastuzumab-Associated Cardiotoxicity. <i>Journal of Clinical Oncology</i> , <b>2017</b> , 35, 870-877	2.2	207
251	Regulation of cardiac excitation-contraction coupling by action potential repolarization: role of the transient outward potassium current (I <sub>to</sub> ). <i>Journal of Physiology</i> , <b>2003</b> , 546, 5-18	3.9	202

250	Loss of angiotensin-converting enzyme-2 leads to the late development of angiotensin II-dependent glomerulosclerosis. <i>American Journal of Pathology</i> , <b>2006</b> , 168, 1808-20	5.8	200
249	Cardiac regulation by phosphoinositide 3-kinases and PTEN. <i>Cardiovascular Research</i> , <b>2009</b> , 82, 250-60	9.9	185
248	Prevention of angiotensin II-mediated renal oxidative stress, inflammation, and fibrosis by angiotensin-converting enzyme 2. <i>Hypertension</i> , <b>2011</b> , 57, 314-22	8.5	183
247	The role of ACE2 in cardiovascular physiology. <i>Trends in Cardiovascular Medicine</i> , <b>2003</b> , 13, 93-101	6.9	182
246	Angiotensin II-mediated oxidative stress and inflammation mediate the age-dependent cardiomyopathy in ACE2 null mice. <i>Cardiovascular Research</i> , <b>2007</b> , 75, 29-39	9.9	180
245	Short-term, long-term and paracrine effect of human umbilical cord-derived stem cells in lung injury prevention and repair in experimental bronchopulmonary dysplasia. <i>Thorax</i> , <b>2013</b> , 68, 475-84	7.3	179
244	Muscle-specific loss of apoptosis-inducing factor leads to mitochondrial dysfunction, skeletal muscle atrophy, and dilated cardiomyopathy. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 10261-72	4.8	174
243	Loss of angiotensin-converting enzyme 2 accelerates maladaptive left ventricular remodeling in response to myocardial infarction. <i>Circulation: Heart Failure</i> , <b>2009</b> , 2, 446-55	7.6	173
242	Decreased glomerular and tubular expression of ACE2 in patients with type 2 diabetes and kidney disease. <i>Kidney International</i> , <b>2008</b> , 74, 1610-6	9.9	172
241	Iron-overload cardiomyopathy: pathophysiology, diagnosis, and treatment. <i>Journal of Cardiac Failure</i> , <b>2010</b> , 16, 888-900	3.3	168
240	Angiotensin Converting Enzyme 2: A Double-Edged Sword. <i>Circulation</i> , <b>2020</b> , 142, 426-428	16.7	165
239	The molecular physiology of the cardiac transient outward potassium current (I <sub>to</sub> ) in normal and diseased myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2001</b> , 33, 851-72	5.8	165
238	Taurine supplementation reduces oxidative stress and improves cardiovascular function in an iron-overload murine model. <i>Circulation</i> , <b>2004</b> , 109, 1877-85	16.7	163
237	Empagliflozin Increases Cardiac Energy Production In Diabetes: Novel Translational Insights Into the Heart Failure Benefits of SGLT2 Inhibitors. <i>JACC Basic To Translational Science</i> , <b>2018</b> , 3, 575-587	8.7	162
236	Role of L-type Ca <sup>2+</sup> channels in iron transport and iron-overload cardiomyopathy. <i>Journal of Molecular Medicine</i> , <b>2006</b> , 84, 349-64	5.5	145
235	Loss of Apelin exacerbates myocardial infarction adverse remodeling and ischemia-reperfusion injury: therapeutic potential of synthetic Apelin analogues. <i>Journal of the American Heart Association</i> , <b>2013</b> , 2, e000249	6	142
234	Combination of tumor necrosis factor-alpha ablation and matrix metalloproteinase inhibition prevents heart failure after pressure overload in tissue inhibitor of metalloproteinase-3 knock-out mice. <i>Circulation Research</i> , <b>2005</b> , 97, 380-90	15.7	141
233	ACE2 Deficiency Worsens Epicardial Adipose Tissue Inflammation and Cardiac Dysfunction in Response to Diet-Induced Obesity. <i>Diabetes</i> , <b>2016</b> , 65, 85-95	0.9	138

232	Phosphoinositide 3-kinase gamma-deficient mice are protected from isoproterenol-induced heart failure. <i>Circulation</i> , <b>2003</b> , 108, 2147-52	16.7	135
231	The renin-angiotensin system: going beyond the classical paradigms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H958-H970	5.2	134
230	Angiotensin 1-7 ameliorates diabetic cardiomyopathy and diastolic dysfunction in db/db mice by reducing lipotoxicity and inflammation. <i>Circulation: Heart Failure</i> , <b>2014</b> , 7, 327-39	7.6	134
229	Restructuring of the Gut Microbiome by Intermittent Fasting Prevents Retinopathy and Prolongs Survival in Mice. <i>Diabetes</i> , <b>2018</b> , 67, 1867-1879	0.9	131
228	Loss of angiotensin-converting enzyme-2 exacerbates diabetic cardiovascular complications and leads to systolic and vascular dysfunction: a critical role of the angiotensin II/AT1 receptor axis. <i>Circulation Research</i> , <b>2012</b> , 110, 1322-35	15.7	125
227	T1 mapping with cardiovascular MRI is highly sensitive for Fabry disease independent of hypertrophy and sex. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 637-45	3.9	125
226	Type 1 diabetic cardiomyopathy in the Akita (Ins2WT/C96Y) mouse model is characterized by lipotoxicity and diastolic dysfunction with preserved systolic function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 297, H2096-108	5.2	124
225	Modulation of iron uptake in heart by L-type Ca <sup>2+</sup> channel modifiers: possible implications in iron overload. <i>Circulation Research</i> , <b>1999</b> , 84, 1302-9	15.7	121
224	Angiotensin-Converting Enzyme 2 Metabolizes and Partially Inactivates Pyr-Apelin-13 and Apelin-17: Physiological Effects in the Cardiovascular System. <i>Hypertension</i> , <b>2016</b> , 68, 365-77	8.5	116
223	TIMP2 deficiency accelerates adverse post-myocardial infarction remodeling because of enhanced MT1-MMP activity despite lack of MMP2 activation. <i>Circulation Research</i> , <b>2010</b> , 106, 796-808	15.7	116
222	Roles of Angiotensin Peptides and Recombinant Human ACE2 in Heart Failure. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 805-819	15.1	113
221	Epicardial adipose tissue as a metabolic transducer: role in heart failure and coronary artery disease. <i>Heart Failure Reviews</i> , <b>2017</b> , 22, 889-902	5	107
220	ANG II causes insulin resistance and induces cardiac metabolic switch and inefficiency: a critical role of PDK4. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 304, H1103-13	5.2	106
219	Metabolomic fingerprint of heart failure with preserved ejection fraction. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124844	5.7	106
218	Agonist-induced hypertrophy and diastolic dysfunction are associated with selective reduction in glucose oxidation: a metabolic contribution to heart failure with normal ejection fraction. <i>Circulation: Heart Failure</i> , <b>2012</b> , 5, 493-503	7.6	104
217	Angiotensin-converting-enzyme 2 inhibits liver fibrosis in mice. <i>Hepatology</i> , <b>2009</b> , 50, 929-38	11.2	100
216	Loss of TIMP3 enhances interstitial nephritis and fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2009</b> , 20, 1223-35	12.7	93
215	Hydroxychloroquine-induced cardiomyopathy: case report, pathophysiology, diagnosis, and treatment. <i>Canadian Journal of Cardiology</i> , <b>2014</b> , 30, 1706-15	3.8	92

214	Erythropoietin protects against doxorubicin-induced cardiomyopathy via a phosphatidylinositol 3-kinase-dependent pathway. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2008</b> , 324, 160-9	4.7	90
213	Cardiac-specific overexpression of sarcolipin inhibits sarco(endo)plasmic reticulum Ca <sup>2+</sup> ATPase (SERCA2a) activity and impairs cardiac function in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 9199-204	11.5	89
212	Telmisartan attenuates aortic hypertrophy in hypertensive rats by the modulation of ACE2 and profilin-1 expression. <i>Regulatory Peptides</i> , <b>2011</b> , 166, 90-7		88
211	Angiotensin 1-7 mediates renoprotection against diabetic nephropathy by reducing oxidative stress, inflammation, and lipotoxicity. <i>American Journal of Physiology - Renal Physiology</i> , <b>2014</b> , 306, F812-21	4.3	87
210	Loss of PTEN attenuates the development of pathological hypertrophy and heart failure in response to biomechanical stress. <i>Cardiovascular Research</i> , <b>2008</b> , 78, 505-14	9.9	87
209	Tumor necrosis factor induces matrix metalloproteinases in cardiomyocytes and cardiofibroblasts differentially via superoxide production in a PI3Kgamma-dependent manner. <i>American Journal of Physiology - Cell Physiology</i> , <b>2010</b> , 298, C679-92	5.4	86
208	Pressure-overload-induced heart failure induces a selective reduction in glucose oxidation at physiological afterload. <i>Cardiovascular Research</i> , <b>2013</b> , 97, 676-85	9.9	85
207	Comparative proteomics profiling of a phospholamban mutant mouse model of dilated cardiomyopathy reveals progressive intracellular stress responses. <i>Molecular and Cellular Proteomics</i> , <b>2008</b> , 7, 519-33	7.6	85
206	Cardiac-specific elevations in thyroid hormone enhance contractility and prevent pressure overload-induced cardiac dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 6043-8	11.5	84
205	Cardioprotective effects mediated by angiotensin II type 1 receptor blockade and enhancing angiotensin 1-7 in experimental heart failure in angiotensin-converting enzyme 2-null mice. <i>Hypertension</i> , <b>2012</b> , 59, 1195-203	8.5	81
204	Myocardial ATGL overexpression decreases the reliance on fatty acid oxidation and protects against pressure overload-induced cardiac dysfunction. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 740-50	4.8	81
203	Differential role of TIMP2 and TIMP3 in cardiac hypertrophy, fibrosis, and diastolic dysfunction. <i>Cardiovascular Research</i> , <b>2014</b> , 103, 268-80	9.9	77
202	Simultaneous transforming growth factor beta-tumor necrosis factor activation and cross-talk cause aberrant remodeling response and myocardial fibrosis in Timp3-deficient heart. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 29893-904	5.4	76
201	ACE2/Ang 1-7 axis: A critical regulator of epicardial adipose tissue inflammation and cardiac dysfunction in obesity. <i>Adipocyte</i> , <b>2016</b> , 5, 306-11	3.2	72
200	Tissue Inhibitor of Matrix Metalloproteinase-1 Promotes Myocardial Fibrosis by Mediating CD63-Integrin $\alpha$ Interaction. <i>Hypertension</i> , <b>2017</b> , 69, 1092-1103	8.5	71
199	Circulating levels of tumor necrosis factor-alpha receptor 2 are increased in heart failure with preserved ejection fraction relative to heart failure with reduced ejection fraction: evidence for a divergence in pathophysiology. <i>PLoS ONE</i> , <b>2014</b> , 9, e99495	3.7	71
198	Angiotensin-converting enzyme 2 is a critical determinant of angiotensin II-induced loss of vascular smooth muscle cells and adverse vascular remodeling. <i>Hypertension</i> , <b>2014</b> , 64, 157-64	8.5	70
197	Lack of tissue inhibitor of metalloproteinases 2 leads to exacerbated left ventricular dysfunction and adverse extracellular matrix remodeling in response to biomechanical stress. <i>Circulation</i> , <b>2011</b> , 124, 2094-105	16.7	70

196	Cardiac-specific overexpression of sarcolipin in phospholamban null mice impairs myocyte function that is restored by phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 2446-51	11.5	69
195	Mice with tissue inhibitor of metalloproteinases 4 (Timp4) deletion succumb to induced myocardial infarction but not to cardiac pressure overload. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 24487-93	5.4	68
194	Enhanced susceptibility to biomechanical stress in ACE2 null mice is prevented by loss of the p47(phox) NADPH oxidase subunit. <i>Cardiovascular Research</i> , <b>2011</b> , 91, 151-61	9.9	67
193	Resveratrol treatment of mice with pressure-overload-induced heart failure improves diastolic function and cardiac energy metabolism. <i>Circulation: Heart Failure</i> , <b>2015</b> , 8, 128-37	7.6	66
192	Early activation of matrix metalloproteinases underlies the exacerbated systolic and diastolic dysfunction in mice lacking TIMP3 following myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H1012-23	5.2	66
191	ACE2 deficiency enhances angiotensin II-mediated aortic profilin-1 expression, inflammation and peroxynitrite production. <i>PLoS ONE</i> , <b>2012</b> , 7, e38502	3.7	64
190	Iron-overload injury and cardiomyopathy in acquired and genetic models is attenuated by resveratrol therapy. <i>Scientific Reports</i> , <b>2015</b> , 5, 18132	4.9	63
189	Insulin-like growth factor-1 and PTEN deletion enhance cardiac L-type Ca <sup>2+</sup> currents via increased PI3K $\alpha$ /PKB signaling. <i>Circulation Research</i> , <b>2006</b> , 98, 1390-7	15.7	63
188	Apelin Is a Negative Regulator of Angiotensin II-Mediated Adverse Myocardial Remodeling and Dysfunction. <i>Hypertension</i> , <b>2017</b> , 70, 1165-1175	8.5	62
187	Targeting the apelin pathway as a novel therapeutic approach for cardiovascular diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 1942-1950	6.9	61
186	Phosphatidylinositol 3-kinase gamma is a critical mediator of myocardial ischemic and adenosine-mediated preconditioning. <i>Circulation Research</i> , <b>2008</b> , 103, 643-53	15.7	60
185	Role of angiotensin-converting enzyme 2 (ACE2) in diabetic cardiovascular complications. <i>Clinical Science</i> , <b>2014</b> , 126, 471-82	6.5	59
184	Systolic and diastolic function assessment in fabry disease patients using speckle-tracking imaging and comparison with conventional echocardiographic measurements. <i>Journal of the American Society of Echocardiography</i> , <b>2013</b> , 26, 1407-14	5.8	57
183	Inhibition of calcineurin and sarcolemmal Ca <sup>2+</sup> influx protects cardiac morphology and ventricular function in K(v)4.2N transgenic mice. <i>Circulation</i> , <b>2002</b> , 105, 1850-6	16.7	55
182	Recombinant human angiotensin-converting enzyme 2 as a new renin-angiotensin system peptidase for heart failure therapy. <i>Current Heart Failure Reports</i> , <b>2011</b> , 8, 176-83	2.8	54
181	Angiotensin-converting enzyme 2 antagonizes angiotensin II-induced pressor response and NADPH oxidase activation in Wistar-Kyoto rats and spontaneously hypertensive rats. <i>Experimental Physiology</i> , <b>2013</b> , 98, 109-22	2.4	52
180	Targeting the glucagon receptor improves cardiac function and enhances insulin sensitivity following a myocardial infarction. <i>Cardiovascular Diabetology</i> , <b>2019</b> , 18, 1	8.7	52
179	Sex differences in COVID-19: candidate pathways, genetics of ACE2, and sex hormones. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H296-H304	5.2	51



178	Disrupting the key circadian regulator CLOCK leads to age-dependent cardiovascular disease. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2017</b> , 105, 24-37	5.8	50
177	Role of ACE2 in diastolic and systolic heart failure. <i>Heart Failure Reviews</i> , <b>2012</b> , 17, 683-91	5	50
176	Loss of Timp3 gene leads to abdominal aortic aneurysm formation in response to angiotensin II. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 44083-96	5.4	49
175	Loss of PI3K $\beta$ enhances cAMP-dependent MMP remodeling of the myocardial N-cadherin adhesion complexes and extracellular matrix in response to early biomechanical stress. <i>Circulation Research</i> , <b>2010</b> , 107, 1275-89	15.7	48
174	Angiotensin-(1-7)-induced activation of ERK1/2 is cAMP/protein kinase A-dependent in glomerular mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 302, F784-90	4.3	48
173	Loss of p47phox subunit enhances susceptibility to biomechanical stress and heart failure because of dysregulation of cortactin and actin filaments. <i>Circulation Research</i> , <b>2013</b> , 112, 1542-56	15.7	47
172	The Metalloprotease Neprilysin Degrades and Inactivates Apelin Peptides. <i>ChemBioChem</i> , <b>2016</b> , 17, 1495-8	5.8	44
171	Anderson-Fabry cardiomyopathy: prevalence, pathophysiology, diagnosis and treatment. <i>Heart Failure Reviews</i> , <b>2015</b> , 20, 179-91	5	43
170	Plasma angiotensin-converting enzyme 2: novel biomarker in heart failure with implications for COVID-19. <i>European Heart Journal</i> , <b>2020</b> , 41, 1818-1820	9.5	43
169	Impaired branched chain amino acid oxidation contributes to cardiac insulin resistance in heart failure. <i>Cardiovascular Diabetology</i> , <b>2019</b> , 18, 86	8.7	43
168	Role of iron metabolism in heart failure: From iron deficiency to iron overload. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2019</b> , 1865, 1925-1937	6.9	42
167	Adeno-Associated Virus Overexpression of Angiotensin-Converting Enzyme-2 Reverses Diabetic Retinopathy in Type 1 Diabetes in Mice. <i>American Journal of Pathology</i> , <b>2016</b> , 186, 1688-700	5.8	40
166	Impact of the renin-angiotensin system on cardiac energy metabolism in heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 63, 98-106	5.8	39
165	Angiotensin-converting enzyme 2 attenuates oxidative stress and VSMC proliferation via the JAK2/STAT3/SOCS3 and profilin-1/MAPK signaling pathways. <i>Regulatory Peptides</i> , <b>2013</b> , 185, 44-51		38
164	Distinct functions of junD in cardiac hypertrophy and heart failure. <i>Genes and Development</i> , <b>2005</b> , 19, 208-13	12.6	38
163	ACE2 (Angiotensin-Converting Enzyme 2) in Cardiopulmonary Diseases: Ramifications for the Control of SARS-CoV-2. <i>Hypertension</i> , <b>2020</b> , 76, 651-661	8.5	38
162	Bone Marrow-Derived Cells Restore Functional Integrity of the Gut Epithelial and Vascular Barriers in a Model of Diabetes and ACE2 Deficiency. <i>Circulation Research</i> , <b>2019</b> , 125, 969-988	15.7	37
161	Myocardial recovery from ischemia-reperfusion is compromised in the absence of tissue inhibitor of metalloproteinase 4. <i>Circulation: Heart Failure</i> , <b>2014</b> , 7, 652-62	7.6	37

160	TIMP2 and TIMP3 have divergent roles in early renal tubulointerstitial injury. <i>Kidney International</i> , <b>2014</b> , 85, 82-93	9.9	36
159	SARS-CoV-2 Infections and ACE2: Clinical Outcomes Linked With Increased Morbidity and Mortality in Individuals With Diabetes. <i>Diabetes</i> , <b>2020</b> , 69, 1875-1886	0.9	35
158	Antagonism of angiotensin 1-7 prevents the therapeutic effects of recombinant human ACE2. <i>Journal of Molecular Medicine</i> , <b>2015</b> , 93, 1003-13	5.5	34
157	Loss of angiotensin-converting enzyme 2 exacerbates myocardial injury via activation of the CTGF-fractalkine signaling pathway. <i>Circulation Journal</i> , <b>2013</b> , 77, 2997-3006	2.9	34
156	Loss of TIMP3 selectively exacerbates diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 303, F1341-52	4.3	34
155	PI3K $\beta$ -regulated gelsolin activity is a critical determinant of cardiac cytoskeletal remodeling and heart disease. <i>Nature Communications</i> , <b>2018</b> , 9, 5390	17.4	34
154	Recombinant Human ACE2 and the Angiotensin 1-7 Axis as Potential New Therapies for Heart Failure. <i>Canadian Journal of Cardiology</i> , <b>2017</b> , 33, 943-946	3.8	33
153	Murine recombinant angiotensin-converting enzyme 2 attenuates kidney injury in experimental Alport syndrome. <i>Kidney International</i> , <b>2017</b> , 91, 1347-1361	9.9	33
152	Role of PI3K $\beta$ and sarcolemmal ATP-sensitive potassium channels in epoxyeicosatrienoic acid mediated cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2012</b> , 53, 43-52	5.8	33
151	Loss of NOX2 (gp91phox) prevents oxidative stress and progression to advanced heart failure. <i>Clinical Science</i> , <b>2014</b> , 127, 331-40	6.5	32
150	Lithium-induced sinus node disease at therapeutic concentrations: linking lithium-induced blockade of sodium channels to impaired pacemaker activity. <i>Canadian Journal of Cardiology</i> , <b>2007</b> , 23, 229-32	3.8	32
149	Loss of Angiotensin-Converting Enzyme 2 Exacerbates Diabetic Retinopathy by Promoting Bone Marrow Dysfunction. <i>Stem Cells</i> , <b>2018</b> , 36, 1430-1440	5.8	32
148	ACE2 exerts anti-obesity effect via stimulating brown adipose tissue and induction of browning in white adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 317, E1140-E1149	6.1	31
147	S4153R is a gain-of-function mutation in the cardiac Ca(2+) release channel ryanodine receptor associated with catecholaminergic polymorphic ventricular tachycardia and paroxysmal atrial fibrillation. <i>Canadian Journal of Cardiology</i> , <b>2013</b> , 29, 993-6	3.8	31
146	MELAS syndrome and cardiomyopathy: linking mitochondrial function to heart failure pathogenesis. <i>Heart Failure Reviews</i> , <b>2016</b> , 21, 103-116	5	30
145	Cell-Specific Functions of ADAM17 Regulate the Progression of Thoracic Aortic Aneurysm. <i>Circulation Research</i> , <b>2018</b> , 123, 372-388	15.7	30
144	ACE2/Ang-(1-7) signaling and vascular remodeling. <i>Science China Life Sciences</i> , <b>2014</b> , 57, 802-8	8.5	30
143	Cardiomyocyte A Disintegrin And Metalloproteinase 17 (ADAM17) Is Essential in Post-Myocardial Infarction Repair by Regulating Angiogenesis. <i>Circulation: Heart Failure</i> , <b>2015</b> , 8, 970-9	7.6	29



142	Synthetic Modification within the "RPRL" Region of Apelin Peptides: Impact on Cardiovascular Activity and Stability to Neprilysin and Plasma Degradation. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 6408-6427	8.3	29
141	Cardiac protective effects of irbesartan via the PPAR-gamma signaling pathway in angiotensin-converting enzyme 2-deficient mice. <i>Journal of Translational Medicine</i> , <b>2013</b> , 11, 229	8.5	29
140	Cardiac sarcoplasmic reticulum calcium release and load are enhanced by subcellular cAMP elevations in PI3Kgamma-deficient mice. <i>Circulation Research</i> , <b>2005</b> , 96, 1079-86	15.7	29
139	Elevated Inflammatory Plasma Biomarkers in Patients With Fabry Disease: A Critical Link to Heart Failure With Preserved Ejection Fraction. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7, e009098	6	29
138	Heterozygote loss of ACE2 is sufficient to increase the susceptibility to heart disease. <i>Journal of Molecular Medicine</i> , <b>2014</b> , 92, 847-58	5.5	28
137	Gender-specific plasma proteomic biomarkers in patients with Anderson-Fabry disease. <i>European Journal of Heart Failure</i> , <b>2015</b> , 17, 291-300	12.3	28
136	The phosphoinositide 3-kinase inhibitor LY294002 enhances cardiac myocyte contractility via a direct inhibition of I <sub>k,s</sub> slow currents. <i>Cardiovascular Research</i> , <b>2004</b> , 62, 509-20	9.9	28
135	Resveratrol mediates therapeutic hepatic effects in acquired and genetic murine models of iron-overload. <i>Liver International</i> , <b>2016</b> , 36, 246-57	7.9	27
134	Apelin protects against abdominal aortic aneurysm and the therapeutic role of neutral endopeptidase resistant apelin analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 13006-13015	11.5	26
133	Chloroquine-induced cardiomyopathy: a reversible cause of heart failure. <i>ESC Heart Failure</i> , <b>2018</b> , 5, 372-375	3.75	26
132	A Disintegrin and Metalloprotease-17 Regulates Pressure Overload-Induced Myocardial Hypertrophy and Dysfunction Through Proteolytic Processing of Integrin $\beta_1$ . <i>Hypertension</i> , <b>2016</b> , 68, 937-48	8.5	26
131	Atrial fibrillation and heart failure in the elderly. <i>Heart Failure Reviews</i> , <b>2012</b> , 17, 597-613	5	26
130	Angiotensin-converting enzyme 2 ameliorates renal fibrosis by blocking the activation of mTOR/ERK signaling in apolipoprotein E-deficient mice. <i>Peptides</i> , <b>2016</b> , 79, 49-57	3.8	26
129	Clinical Features, Diagnosis, and Management of Patients With Anderson-Fabry Cardiomyopathy. <i>Canadian Journal of Cardiology</i> , <b>2017</b> , 33, 883-897	3.8	25
128	Differential impact of mechanical unloading on structural and nonstructural components of the extracellular matrix in advanced human heart failure. <i>Translational Research</i> , <b>2016</b> , 172, 30-44	11	25
127	Reduced Right Ventricular Native Myocardial T1 in Anderson-Fabry Disease: Comparison to Pulmonary Hypertension and Healthy Controls. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157565	3.7	25
126	Plasma kallikrein cleaves and inactivates apelin-17: Palmitoyl- and PEG-extended apelin-17 analogs as metabolically stable blood pressure-lowering agents. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 166, 119-124	6.8	24
125	Characterization of the intrarenal renin-angiotensin system in experimental alport syndrome. <i>American Journal of Pathology</i> , <b>2015</b> , 185, 1423-35	5.8	24

124	Targeting angiotensin-converting enzyme 2 as a new therapeutic target for cardiovascular diseases. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2014</b> , 92, 558-65	2.4	24
123	Differentiating heart failure phenotypes using sex-specific transcriptomic and proteomic biomarker panels. <i>ESC Heart Failure</i> , <b>2017</b> , 4, 301-311	3.7	24
122	Deletion of angiotensin-converting enzyme 2 exacerbates renal inflammation and injury in apolipoprotein E-deficient mice through modulation of the nephrin and TNF-alpha-TNFRSF1A signaling. <i>Journal of Translational Medicine</i> , <b>2015</b> , 13, 255	8.5	24
121	Ces3/TGH Deficiency Attenuates Steatohepatitis. <i>Scientific Reports</i> , <b>2016</b> , 6, 25747	4.9	24
120	Angiotensin 1-7 stimulates brown adipose tissue and reduces diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 314, E131-E138	6	23
119	The apelinergic system: a perspective on challenges and opportunities in cardiovascular and metabolic disorders. <i>Annals of the New York Academy of Sciences</i> , <b>2019</b> , 1455, 12-33	6.5	23
118	Ascending aortic adventitial remodeling and fibrosis are ameliorated with Apelin-13 in rats after TAC via suppression of the miRNA-122 and LGR4-Eatenin signaling. <i>Peptides</i> , <b>2016</b> , 86, 85-94	3.8	22
117	PI3K inhibitors as novel cancer therapies: implications for cardiovascular medicine. <i>Journal of Cardiac Failure</i> , <b>2013</b> , 19, 268-82	3.3	22
116	The Alberta Heart Failure Etiology and Analysis Research Team (HEART) study. <i>BMC Cardiovascular Disorders</i> , <b>2014</b> , 14, 91	2.3	22
115	Targeting perivascular and epicardial adipose tissue inflammation: therapeutic opportunities for cardiovascular disease. <i>Clinical Science</i> , <b>2020</b> , 134, 827-851	6.5	22
114	Cardiorenal Syndrome and Heart Failure-Challenges and Opportunities. <i>Canadian Journal of Cardiology</i> , <b>2019</b> , 35, 1208-1219	3.8	21
113	Role of phosphoinositide 3-kinase {alpha}, protein kinase C, and L-type Ca <sup>2+</sup> channels in mediating the complex actions of angiotensin II on mouse cardiac contractility. <i>Hypertension</i> , <b>2010</b> , 56, 422-9	8.5	21
112	Targeting the ACE2 and Apelin Pathways Are Novel Therapies for Heart Failure: Opportunities and Challenges. <i>Cardiology Research and Practice</i> , <b>2012</b> , 2012, 823193	1.9	21
111	Apelin directs endothelial cell differentiation and vascular repair following immune-mediated injury. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 94-107	15.9	21
110	Novel mutation in exon 14 of the sarcomere gene MYH7 in familial left ventricular noncompaction with bicuspid aortic valve. <i>Circulation: Heart Failure</i> , <b>2014</b> , 7, 1059-62	7.6	20
109	Imbalance of gut microbiome and intestinal epithelial barrier dysfunction in cardiovascular disease. <i>Clinical Science</i> , <b>2018</b> , 132, 901-904	6.5	19
108	The use of EB poly-unsaturated fatty acids in heart failure: a preferential role in patients with diabetes. <i>Cardiovascular Drugs and Therapy</i> , <b>2012</b> , 26, 311-20	3.9	19
107	Weight loss enhances cardiac energy metabolism and function in heart failure associated with obesity. <i>Diabetes, Obesity and Metabolism</i> , <b>2019</b> , 21, 1944-1955	6.7	18

106	Cardiac Med1 deletion promotes early lethality, cardiac remodeling, and transcriptional reprogramming. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H768-H780 <sup>5.2</sup>	17
105	Left ventricular aneurysm in a patient with mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome): clinical and pathological correlation. <i>Cardiovascular Pathology</i> , <b>2007</b> , 16, 237-40	3.8 17
104	Angiotensin-I- and -III-mediated cardiovascular responses in the freshwater North American eel, <i>Anguilla rostrata</i> : effect of Phe8 deletion. <i>General and Comparative Endocrinology</i> , <b>1995</b> , 97, 259-69	3 17
103	Role of PI3 kinase gamma in excitation-contraction coupling and heart disease. <i>Cardiovascular &amp; Hematological Disorders Drug Targets</i> , <b>2007</b> , 7, 295-304	1.1 17
102	Females Are Protected From Iron-Overload Cardiomyopathy Independent of Iron Metabolism: Key Role of Oxidative Stress. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6 16
101	SARS-CoV-2 perturbs the renin-angiotensin system and energy metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2020</b> , 319, E43-E47	6 16
100	Phosphoinositide 3-kinase $\Gamma$ mediates microvascular endothelial repair of thrombotic microangiopathy. <i>Blood</i> , <b>2014</b> , 124, 2142-9	2.2 16
99	Determinants of ventricular arrhythmias in human explanted hearts with dilated cardiomyopathy. <i>European Journal of Clinical Investigation</i> , <b>2015</b> , 45, 1286-96	4.6 16
98	Disparate Remodeling of the Extracellular Matrix and Proteoglycans in Failing Pediatric Versus Adult Hearts. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7, e010427	6 16
97	Ectopic expression of Cdk8 induces eccentric hypertrophy and heart failure. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9 15
96	ADAM (a Disintegrin and Metalloproteinase) 15 Deficiency Exacerbates Ang II (Angiotensin II)-Induced Aortic Remodeling Leading to Abdominal Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 1918-1934	9.4 14
95	Elevated Angiotensin 1-7/Angiotensin II Ratio Predicts Favorable Outcomes in Patients With Heart Failure. <i>Circulation: Heart Failure</i> , <b>2020</b> , 13, e006939	7.6 14
94	A case of lamin A/C mutation cardiomyopathy with overlap features of ARVC: a critical role of genetic testing. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 4325-7	3.2 14
93	Electrophysiological profiling of cardiomyocytes in embryonic bodies derived from human embryonic stem cells: therapeutic implications. <i>Circulation Research</i> , <b>2003</b> , 93, 1-3	15.7 14
92	PI3K $\beta$ s essential for the recovery from Cre/tamoxifen cardiotoxicity and in myocardial insulin signalling but is not required for normal myocardial contractility in the adult heart. <i>Cardiovascular Research</i> , <b>2015</b> , 105, 292-303	9.9 13
91	TIMP3 deficiency exacerbates iron overload-mediated cardiomyopathy and liver disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H978-H990	5.2 13
90	Enhanced recovery from ischemia-reperfusion injury in PI3K $\beta$ dominant negative hearts: investigating the role of alternate PI3K isoforms, increased glucose oxidation and MAPK signaling. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 54, 9-18	5.8 13
89	Endothelial and cardiomyocyte PI3K $\beta$ divergently regulate cardiac remodelling in response to ischaemic injury. <i>Cardiovascular Research</i> , <b>2019</b> , 115, 1343-1356	9.9 13

88	Gender-dependent aortic remodelling in patients with bicuspid aortic valve-associated thoracic aortic aneurysm. <i>Journal of Molecular Medicine</i> , <b>2014</b> , 92, 939-49	5.5	12
87	Trafficking defect and proteasomal degradation contribute to the phenotype of a novel KCNH2 long QT syndrome mutation. <i>PLoS ONE</i> , <b>2011</b> , 6, e18273	3.7	12
86	Comparison of Cardiac Magnetic Resonance Imaging and Echocardiography in Assessment of Left Ventricular Hypertrophy in Fabry Disease. <i>Canadian Journal of Cardiology</i> , <b>2018</b> , 34, 1041-1047	3.8	11
85	Unravelling the molecular basis for cardiac iron metabolism and deficiency in heart failure. <i>European Heart Journal</i> , <b>2017</b> , 38, 373-375	9.5	11
84	Titration and Tolerability of Sacubitril/Valsartan for Patients With Heart Failure in Clinical Practice. <i>Journal of Cardiovascular Pharmacology</i> , <b>2019</b> , 73, 149-154	3.1	11
83	Inhibition of PI3Kinase- $\beta$ s pro-arrhythmic and associated with enhanced late Na current, contractility, and Ca release in murine hearts. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 132, 98-109	5.8	10
82	Quantification of circumferential, longitudinal, and radial global fractional shortening using steady-state free precession cines: a comparison with tissue-tracking strain and application in Fabry disease. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 586-96	4.4	10
81	Response by Gheblawi et al to Letter Regarding Article, "Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2". <i>Circulation Research</i> , <b>2020</b> , 127, e46-e47	15.7	10
80	Proteomic biomarkers of recovered heart function. <i>European Journal of Heart Failure</i> , <b>2014</b> , 16, 551-9	12.3	10
79	Dysregulation of ACE (Angiotensin-Converting Enzyme)-2 and Renin-Angiotensin Peptides in SARS-CoV-2 Mediated Mortality and End-Organ Injuries. <i>Hypertension</i> , <b>2021</b> , HYPERTENSIONAHA12118295	8.5	10
78	Interaction between the apelinergic system and ACE2 in the cardiovascular system: therapeutic implications. <i>Clinical Science</i> , <b>2020</b> , 134, 2319-2336	6.5	10
77	Ventricular tachycardia in patients with type 1 myotonic dystrophy: a case series. <i>European Heart Journal - Case Reports</i> , <b>2019</b> , 3,	0.9	9
76	Voltage-gated Ca <sup>2+</sup> channels as key mediators of iron-transport and iron-overload cardiomyopathy: L-type vs. T-type Ca <sup>+</sup> channels. <i>European Journal of Haematology</i> , <b>2012</b> , 88, 476-7	3.8	9
75	Angiotensin I- and II- and norepinephrine-mediated pressor responses in an ancient holostean fish, the bowfin ( <i>Amia calva</i> ). <i>General and Comparative Endocrinology</i> , <b>1995</b> , 98, 289-302	3	9
74	PI3K Pathway Inhibition With Doxorubicin Treatment Results in Distinct Biventricular Atrophy and Remodeling With Right Ventricular Dysfunction. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e010961	6	8
73	Cardiac Intervention Improves Heart Disease and Clinical Outcomes in Patients With Muscular Dystrophy in a Multidisciplinary Care Setting. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e014004	6	8
72	Effects of age, gender, and risk-factors for heart failure on native myocardial T and extracellular volume fraction using the SASHA sequence at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 48, 1307-1317	5.6	8
71	Images in cardiovascular medicine. Left ventricular aneurysm associated with mucopolysaccharidosis type VI syndrome (Maroteaux-Lamy syndrome). <i>Circulation</i> , <b>2007</b> , 115, e60-2	16.7	8

70	Response to Comment on Patel et al. ACE2 Deficiency Worsens Epicardial Adipose Tissue Inflammation and Cardiac Dysfunction in Response to Diet-Induced Obesity. <i>Diabetes</i> 2016;65:85-95. <i>Diabetes</i> , <b>2016</b> , 65, e3-4	0.9	8
69	The tumor microenvironment may trigger lymphoproliferation in cardiac myxoma. <i>Translational Oncology</i> , <b>2021</b> , 14, 100911	4.9	8
68	Advanced iron-overload cardiomyopathy in a genetic murine model is rescued by resveratrol therapy. <i>Bioscience Reports</i> , <b>2018</b> , 38,	4.1	8
67	Normal left-atrial structure and function despite concentric left-ventricular remodelling in a cohort of patients with Anderson-Fabry disease. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2015</b> , 16, 1129-36	4.1	7
66	A prospective evaluation of the established criteria for heart failure with preserved ejection fraction using the Alberta HEART cohort. <i>ESC Heart Failure</i> , <b>2018</b> , 5, 19-26	3.7	7
65	A case of appropriate inappropriate device therapy: hyperkalemia-induced ventricular oversensing. <i>Canadian Journal of Cardiology</i> , <b>2008</b> , 24, e16-8	3.8	7
64	Sex- and age-specific regulation of ACE2: Insights into severe COVID-19 susceptibility. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2021</b> , 164, 13-16	5.8	7
63	Optimizing PEG-Extended Apelin Analogues as Cardioprotective Drug Leads: Importance of the KFRR Motif and Aromatic Head Group for Improved Physiological Activity. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 12073-12082	8.3	7
62	Layer-specific strain in patients with heart failure using cardiovascular magnetic resonance: not all layers are the same. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2020</b> , 22, 81	6.9	7
61	COVID-19 Pandemic: Global Impact and Potential Implications for Cardiovascular Disease in Canada. <i>CJC Open</i> , <b>2020</b> , 2, 265-272	2	7
60	PI3K $\beta$ in cardioprotection: Cytoskeleton, late Na current, and mechanism of arrhythmias. <i>Channels</i> , <b>2019</b> , 13, 520-532	3	7
59	Novel Dominant-Negative Mutation in Cardiac Troponin I Causes Severe Restrictive Cardiomyopathy. <i>Circulation: Heart Failure</i> , <b>2017</b> , 10,	7.6	6
58	Stress-Induced Cyclin C Translocation Regulates Cardiac Mitochondrial Dynamics. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e014366	6	6
57	Glycogen Storage Disease Because of a PRKAG2 Mutation Causing Severe Biventricular Hypertrophy and High-Grade Atrio-Ventricular Block. <i>Circulation: Heart Failure</i> , <b>2016</b> , 9,	7.6	6
56	Use of oral proton pump inhibitors is not associated with harm in patients with chronic heart failure in an ambulatory setting. <i>European Journal of Heart Failure</i> , <b>2011</b> , 13, 1211-5	12.3	6
55	Cardiomyopathies and Genetic Testing in Heart Failure: Role in Defining Phenotype-Targeted Approaches and Management. <i>Canadian Journal of Cardiology</i> , <b>2021</b> , 37, 547-559	3.8	6
54	Comparison of Usefulness of Cardiac Resynchronization Therapy in Patients With Type 1 Myotonic Dystrophy With Versus Without Left Bundle Branch Block. <i>American Journal of Cardiology</i> , <b>2019</b> , 124, 1770-1774	3	6
53	Breast Cancer Patients Receiving Anthracycline Chemotherapy and Trastuzumab Have Biventricular Dysfunction and Reduced Heart Mass. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 1872-1873	15.1	6



52	Quantification of lung water in heart failure using cardiovascular magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2019</b> , 21, 58	6.9	5
51	Low altitude simulation without hypoxia improves left ventricular function after myocardial infarction by reducing ventricular afterload. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215814	3.7	5
50	Dual loss of PI3K $\beta$ and PI3K $\delta$ signaling leads to an age-dependent cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 77, 155-9	5.8	5
49	Uncoupling between enhanced excitation-contraction coupling and the response to heart disease: lessons from the PI3K $\delta$ knockout murine model. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 50, 606-12	5.8	5
48	Bioinformatic analysis of membrane and associated proteins in murine cardiomyocytes and human myocardium. <i>Scientific Data</i> , <b>2020</b> , 7, 425	8.2	5
47	Inactivation of endothelial cell phosphoinositide 3-kinase $\beta$ inhibits tumor angiogenesis and tumor growth. <i>Oncogene</i> , <b>2020</b> , 39, 6480-6492	9.2	5
46	Change of Health-Related Quality of Life Over Time and Its Association With Patient Outcomes in Patients With Heart Failure. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e017278	6	5
45	Effect of Active Cancer on the Cardiac Phenotype: A Cardiac Magnetic Resonance Imaging-Based Study of Myocardial Tissue Health and Deformation in Patients With Chemotherapy-Related Cancer. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e019811	6	5
44	Circulating troponin and further left ventricular ejection fraction improvement in patients with previously recovered left ventricular ejection fraction. <i>ESC Heart Failure</i> , <b>2020</b> , 7, 2725-2733	3.7	4
43	Effects of parenteral iron on inflammation and the myocardium in hemodialysis patients. <i>Hemodialysis International</i> , <b>2008</b> , 12, 362-8	1.7	4
42	Screening for Fabry Disease in patients with unexplained left ventricular hypertrophy. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239675	3.7	4
41	Cardiovascular toxicity of PI3K $\delta$ inhibitors. <i>Clinical Science</i> , <b>2020</b> , 134, 2595-2622	6.5	4
40	Left atrial remodelling, mid-regional pro-atrial natriuretic peptide, and prognosis across a range of ejection fractions in heart failure. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2021</b> , 22, 220-228	4.1	4
39	Soluble Epoxide Hydrolase in Aged Female Mice and Human Explanted Hearts Following Ischemic Injury. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
38	Advanced Dilated Cardiomyopathy in a Patient With Hutterite Limb-Girdle Muscular Dystrophy: Use of a Left Ventricular Assist Device. <i>Circulation: Heart Failure</i> , <b>2018</b> , 11, e004960	7.6	3
37	Screening and Initiating Supportive Care in Patients With Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , <b>2019</b> , 6, 151	5.4	3
36	Manipulating angiotensin metabolism with angiotensin converting enzyme 2 (ACE2) in heart failure. <i>Drug Discovery Today: Therapeutic Strategies</i> , <b>2012</b> , 9, e141-e148		3
35	Calcific bicuspid aortic valve disease in a patient with Cornelia de Lange syndrome: linking altered Notch signaling to aortic valve disease. <i>Cardiovascular Pathology</i> , <b>2006</b> , 15, 165-7	3.8	3



34	Sulfhydryl modulation of K <sup>+</sup> currents: a possible cross-link between oxidative stress and altered cardiovascular function. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2003</b> , 35, 1-4	5.8	3
33	The dual nature of obesity in metabolic programming: quantity versus quality of adipose tissue. <i>Clinical Science</i> , <b>2020</b> , 134, 2447-2451	6.5	3
32	Evaluating the diagnostic and prognostic value of biomarkers for heart disease and major adverse cardiac events in patients with muscular dystrophy. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , <b>2021</b> , 7, 564-573	4.6	3
31	Loss of TIMP4 (Tissue Inhibitor of Metalloproteinase 4) Promotes Atherosclerotic Plaque Deposition in the Abdominal Aorta Despite Suppressed Plasma Cholesterol Levels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1874-1889	9.4	3
30	Metabolically stable apelin-analogues, incorporating cyclohexylalanine and homoarginine, as potent apelin receptor activators. <i>RSC Medicinal Chemistry</i> , <b>2021</b> , 12, 1402-1413	3.5	3
29	Pharmacological and cell-specific genetic PI3K inhibition worsens cardiac remodeling after myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2021</b> , 157, 17-30	5.8	3
28	Letter by McLean and Oudit regarding article, "myostatin regulates energy homeostasis in the heart and prevents heart failure". <i>Circulation Research</i> , <b>2015</b> , 116, e51-2	15.7	2
27	Role of sex steroids and sexual dimorphism on cardiac iron metabolism in iron-overload cardiomyopathy. <i>Translational Research</i> , <b>2014</b> , 163, 141-4	11	2
26	Acute coronary thrombosis in a patient with diabetes and severe hyperglycemia. <i>Canadian Journal of Cardiology</i> , <b>2009</b> , 25, e217-9	3.8	2
25	Cardiac reverse remodelling and health status in patients with chronic heart failure. <i>ESC Heart Failure</i> , <b>2021</b> , 8, 3106-3118	3.7	2
24	Barth syndrome-related cardiomyopathy is associated with a reduction in myocardial glucose oxidation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H2255-H2269	5.2	2
23	Clinical utility of 12-lead electrocardiogram in evaluating heart disease in patients with muscular dystrophy: Assessment of left ventricular hypertrophy, conduction disease, and cardiomyopathy. <i>Annals of Noninvasive Electrocardiology</i> , <b>2021</b> , 26, e12876	1.5	2
22	The Human Explanted Heart Program: A translational bridge for cardiovascular medicine. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2021</b> , 1867, 165995	6.9	2
21	Cardiac remodelling predicts outcome in patients with chronic heart failure. <i>ESC Heart Failure</i> , <b>2021</b> , ,	3.7	2
20	Apelin pathway in cardiovascular, kidney, and metabolic diseases: Therapeutic role of apelin analogs and apelin receptor agonists. <i>Peptides</i> , <b>2021</b> , 147, 170697	3.8	1
19	Structural Valve Deterioration Is Linked to Increased Immune Infiltrate and Chemokine Expression. <i>Journal of Cardiovascular Translational Research</i> , <b>2021</b> , 14, 503-512	3.3	1
18	Testosterone and cardiac remodeling: why are older men susceptible to heart disease?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H765-H767	5.2	1
17	Sickle cell disease, interleukin-18, and arrhythmias. <i>Blood</i> , <b>2021</b> , 137, 1138-1139	2.2	1

16	Resistant Hypertension From Renal Artery Stenosis Leading to Heart Failure With Preserved Ejection Fraction. <i>Journal of Investigative Medicine High Impact Case Reports</i> , <b>2018</b> , 6, 2324709618816501 <sup>1.2</sup>	1
15	ADAM15 is required for optimal collagen cross-linking and scar formation following myocardial infarction.. <i>Matrix Biology</i> , <b>2022</b> , 105, 127-127	11.4 0
14	Gelsolin is an important mediator of Angiotensin II-induced activation of cardiac fibroblasts and fibrosis. <i>FASEB Journal</i> , <b>2021</b> , 35, e21932	0.9 0
13	Reply: RAS Fingerprint. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 3011-3013	15.1
12	The ACE2/Ang (1-7) Pathway in Cardiac Remodeling Due to Pressure Overload <b>2013</b> , 127-139	
11	GW24-e3625 Effects of apelin on the phosphodiesterase 1 expression and oxidative stress levels in mouse kidney fibroblast cells. <i>Heart</i> , <b>2013</b> , 99, A11.2-A12	5.1
10	ANGIOTENSIN II-MEDIATED MYOCARDIAL EXPRESSION OF MMP2, MMP9 AND MT1-MMP WERE ENHANCED IN ACE2-NULL MICE. <i>Heart</i> , <b>2012</b> , 98, E9.2-E9	5.1
9	Role of Epicardial Adipose Tissue in Heart Failure: From Basic to Clinical Perspectives <b>2020</b> , 173-194	
8	Sarcoidosis: a prospective observational cohort from Northern Alberta. <i>Sarcoidosis Vasculitis and Diffuse Lung Diseases</i> , <b>2020</b> , 37, e2020014	1.1
7	Alterations in the Eicosanoid Profile and Mitochondrial Injury in Human Ventricular Tissue Following Myocardial Infarction. <i>FASEB Journal</i> , <b>2018</b> , 32, 561.6	0.9
6	Investigating the role of endothelial cell-specific p110 $\alpha$ isoform of PI3K as a potential target for anti-angiogenic therapy. <i>FASEB Journal</i> , <b>2019</b> , 33, lb9	0.9
5	The Role of Neurohumoral Activation in Cardiac Fibrosis and Heart Failure <b>2015</b> , 347-381	
4	Role of Signaling Pathways in the Myocardial Response to Biomechanical Stress and in Mechanotransduction in the Heart <b>2010</b> , 141-166	
3	The Role of PI3K Isoforms and Sarcolemmal KATP Channel in Epoxyeicosatrienoic Acid Mediated Cardioprotection. <i>FASEB Journal</i> , <b>2011</b> , 25, 1085.7	0.9
2	Reply to Letter From Floras et al.--Central Sleep Apnea: Risk Factor or Pathogenic Process in Patients With Heart Failure. <i>Canadian Journal of Cardiology</i> , <b>2016</b> , 32, 396.e5	3.8
1	An advanced endothelial murine HFpEF model: eNOS is critical for angiotensin 1-7 rescue of the diabetic phenotype.. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2022</b> ,	5.8