

Kim A Connelly

List of Publications by Citations

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209
papers

5,608
citations

42
h-index

67
g-index

232
ext. papers

7,063
ext. citations

5.3
avg, IF

5.66
L-index

#	Paper	IF	Citations
209	Hyperpolarized ¹³ C Metabolic MRI of the Human Heart: Initial Experience. <i>Circulation Research</i> , 2016 , 119, 1177-1182	15.7	235
208	Effect of Empagliflozin on Left Ventricular Mass in Patients With Type 2 Diabetes Mellitus and Coronary Artery Disease: The EMPA-HEART CardioLink-6 Randomized Clinical Trial. <i>Circulation</i> , 2019 , 140, 1693-1702	16.7	205
207	The (Pro)renin receptor: site-specific and functional linkage to the vacuolar H ⁺ -ATPase in the kidney. <i>Hypertension</i> , 2009 , 54, 261-9	8.5	205
206	Effect of Empagliflozin on Left Ventricular Mass and Diastolic Function in Individuals With Diabetes: An Important Clue to the EMPA-REG OUTCOME Trial?. <i>Diabetes Care</i> , 2016 , 39, e212-e213	14.6	141
205	Outcomes After Current Transcatheter Tricuspid Valve Intervention: Mid-Term Results From the International TriValve Registry. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 155-165	5	141
204	Rapid multislice imaging of hyperpolarized ¹³ C pyruvate and bicarbonate in the heart. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 1323-31	4.4	132
203	Transcatheter Versus Medical Treatment of Patients With Symptomatic Severe Tricuspid Regurgitation. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 2998-3008	15.1	127
202	The International Multicenter TriValve Registry: Which Patients Are Undergoing Transcatheter Tricuspid Repair?. <i>JACC: Cardiovascular Interventions</i> , 2017 , 10, 1982-1990	5	120
201	Effect of Empagliflozin on Erythropoietin Levels, Iron Stores, and Red Blood Cell Morphology in Patients With Type 2 Diabetes Mellitus and Coronary Artery Disease. <i>Circulation</i> , 2020 , 141, 704-707	16.7	115
200	Long-term administration of the histone deacetylase inhibitor vorinostat attenuates renal injury in experimental diabetes through an endothelial nitric oxide synthase-dependent mechanism. <i>American Journal of Pathology</i> , 2011 , 178, 2205-14	5.8	114
199	A comprehensive echocardiographic protocol for assessing neonatal right ventricular dimensions and function in the transitional period: normative data and z scores. <i>Journal of the American Society of Echocardiography</i> , 2014 , 27, 1293-304	5.8	106
198	Hyperpolarized (¹³ C) magnetic resonance reveals early- and late-onset changes to in vivo pyruvate metabolism in the failing heart. <i>European Journal of Heart Failure</i> , 2013 , 15, 130-40	12.3	104
197	eNOS deficiency predisposes podocytes to injury in diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2012 , 23, 1810-23	12.7	102
196	Canadian Cardiovascular Society guidelines for the diagnosis and management of stable ischemic heart disease. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 837-49	3.8	97
195	Inhibition of protein kinase C-beta by ruboxistaurin preserves cardiac function and reduces extracellular matrix production in diabetic cardiomyopathy. <i>Circulation: Heart Failure</i> , 2009 , 2, 129-37	7.6	92
194	Sudden Cardiac Arrest during Participation in Competitive Sports. <i>New England Journal of Medicine</i> , 2017 , 377, 1943-1953	59.2	91
193	Expression, localization, and function of the thioredoxin system in diabetic nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 730-41	12.7	89

192	Histone deacetylase inhibition attenuates diabetes-associated kidney growth: potential role for epigenetic modification of the epidermal growth factor receptor. <i>Kidney International</i> , 2011 , 79, 1312-21	9.9	89
191	High glucose induces Smad activation via the transcriptional coregulator p300 and contributes to cardiac fibrosis and hypertrophy. <i>Cardiovascular Diabetology</i> , 2014 , 13, 89	8.7	88
190	Quantitative tracking of edema, hemorrhage, and microvascular obstruction in subacute myocardial infarction in a porcine model by MRI. <i>Magnetic Resonance in Medicine</i> , 2011 , 66, 1129-41	4.4	82
189	Targeted inhibition of activin receptor-like kinase 5 signaling attenuates cardiac dysfunction following myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1415-25	5.2	81
188	Characterizing myocardial edema and hemorrhage using quantitative T2 and T2* mapping at multiple time intervals post ST-segment elevation myocardial infarction. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 566-72	3.9	79
187	1-Year Outcomes After Edge-to-Edge Valve Repair for Symptomatic Tricuspid Regurgitation: Results From the TriValve Registry. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 1451-1461	5	74
186	α 1 integrin stimulates myofibroblast differentiation in diabetic cardiomyopathy. <i>Cardiovascular Research</i> , 2012 , 96, 265-75	9.9	74
185	Functional, structural and molecular aspects of diastolic heart failure in the diabetic (mRen-2) rat. <i>Cardiovascular Research</i> , 2007 , 76, 280-91	9.9	64
184	Long chain n-3 polyunsaturated fatty acids reduce atrial vulnerability in a novel canine pacing model. <i>Cardiovascular Research</i> , 2008 , 77, 89-97	9.9	60
183	Glucose-lowering drugs or strategies, atherosclerotic cardiovascular events, and heart failure in people with or at risk of type 2 diabetes: an updated systematic review and meta-analysis of randomised cardiovascular outcome trials. <i>Lancet Diabetes and Endocrinology</i> , 2020 , 8, 418-435	18.1	59
182	n-3 Polyunsaturated fatty acids alter expression of fibrotic and hypertrophic genes in a dog model of atrial cardiomyopathy. <i>Heart Rhythm</i> , 2010 , 7, 520-8	6.7	56
181	Improvement in timing and effectiveness of external cardiac compressions with a new non-invasive device: the CPR-Ezy. <i>Resuscitation</i> , 2002 , 54, 63-7	4	56
180	Compassionate Use of the PASCAL Transcatheter Valve Repair System for Severe Tricuspid Regurgitation: A Multicenter, Observational, First-in-Human Experience. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 2488-2495	5	55
179	Priming of hypoxia-inducible factor by neuronal nitric oxide synthase is essential for adaptive responses to severe anemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 17544-9	11.5	52
178	Culture-modified bone marrow cells attenuate cardiac and renal injury in a chronic kidney disease rat model via a novel antifibrotic mechanism. <i>PLoS ONE</i> , 2010 , 5, e9543	3.7	51
177	Concise Review: Rational Use of Mesenchymal Stem Cells in the Treatment of Ischemic Heart Disease. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 543-550	6.9	50
176	Tranilast attenuates diastolic dysfunction and structural injury in experimental diabetic cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H2860-9	5.2	50
175	Empagliflozin Improves Diastolic Function in a Nondiabetic Rodent Model of Heart Failure With Preserved Ejection Fraction. <i>JACC Basic To Translational Science</i> , 2019 , 4, 27-37	8.7	49

174	DPP-4 inhibition attenuates cardiac dysfunction and adverse remodeling following myocardial infarction in rats with experimental diabetes. <i>Cardiovascular Therapeutics</i> , 2013 , 31, 259-67	3.3	49
173	Dipeptidyl peptidase-4 inhibitors and the risk of heart failure: a systematic review and meta-analysis. <i>CMAJ Open</i> , 2017 , 5, E152-E177	2.5	47
172	Diabetes induces lysine acetylation of intermediary metabolism enzymes in the kidney. <i>Diabetes</i> , 2014 , 63, 2432-9	0.9	47
171	The Histone Methyltransferase Enzyme Enhancer of Zeste Homolog 2 Protects against Podocyte Oxidative Stress and Renal Injury in Diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 2021-34	12.7	46
170	Echocardiography vs. Cardiac Magnetic Resonance Imaging for the Diagnosis of Left Ventricular Thrombus: A Systematic Review. <i>Canadian Journal of Cardiology</i> , 2015 , 31, 785-91	3.8	44
169	Heart failure and nephropathy: catastrophic and interrelated complications of diabetes. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2006 , 1, 193-208	6.9	44
168	Sirtuin 1 activation attenuates cardiac fibrosis in a rodent pressure overload model by modifying Smad2/3 transactivation. <i>Cardiovascular Research</i> , 2018 , 114, 1629-1641	9.9	42
167	Heart Failure With Preserved Ejection Fraction in Diabetes: Mechanisms and Management. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 632-643	3.8	41
166	Myocardial strain imaging by cardiac magnetic resonance for detection of subclinical myocardial dysfunction in breast cancer patients receiving trastuzumab and chemotherapy. <i>International Journal of Cardiology</i> , 2018 , 261, 228-233	3.2	40
165	Canadian Cardiovascular Society/Canadian Association of Interventional Cardiology/Canadian Society of Cardiac Surgery position statement on revascularization--multivessel coronary artery disease. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 1482-91	3.8	40
164	Role of integrins in mediating cardiac fibroblast-cardiomyocyte cross talk: a dynamic relationship in cardiac biology and pathophysiology. <i>Basic Research in Cardiology</i> , 2017 , 112, 6	11.8	38
163	SGLT2 Inhibition with Empagliflozin Increases Circulating Provascular Progenitor Cells in People with Type 2 Diabetes Mellitus. <i>Cell Metabolism</i> , 2019 , 30, 609-613	24.6	36
162	Cardiovascular Implications of Hypoglycemia in Diabetes Mellitus. <i>Circulation</i> , 2015 , 132, 2345-50	16.7	35
161	Effect of heart rate on tissue Doppler measures of diastolic function. <i>Echocardiography</i> , 2007 , 24, 697-701	15	35
160	SDF-1/CXCR4 signaling preserves microvascular integrity and renal function in chronic kidney disease. <i>PLoS ONE</i> , 2014 , 9, e92227	3.7	34
159	The cardiac (pro)renin receptor is primarily expressed in myocyte transverse tubules and is increased in experimental diabetic cardiomyopathy. <i>Journal of Hypertension</i> , 2011 , 29, 1175-84	1.9	34
158	Mechanistic insights regarding the role of SGLT2 inhibitors and GLP1 agonist drugs on cardiovascular disease in diabetes. <i>Progress in Cardiovascular Diseases</i> , 2019 , 62, 349-357	8.5	33
157	Survivin gene therapy attenuates left ventricular systolic dysfunction in doxorubicin cardiomyopathy by reducing apoptosis and fibrosis. <i>Cardiovascular Research</i> , 2014 , 101, 423-33	9.9	33

156	Left Ventricular Function in Healthy Term Neonates During the Transitional Period. <i>Journal of Pediatrics</i> , 2017 , 182, 197-203.e2	3.6	32
155	Longitudinal assessment of right ventricular structure and function by cardiovascular magnetic resonance in breast cancer patients treated with trastuzumab: a prospective observational study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 44	6.9	31
154	The SGLT2 inhibitor empagliflozin reduces mortality and prevents progression in experimental pulmonary hypertension. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 524, 50-56	3.4	31
153	Suppression of NLRP3 Inflammasome Activation Ameliorates Chronic Kidney Disease-Induced Cardiac Fibrosis and Diastolic Dysfunction. <i>Scientific Reports</i> , 2016 , 6, 39551	4.9	31
152	Lactate topography of the human brain using hyperpolarized C-MRI. <i>NeuroImage</i> , 2020 , 204, 116202	7.9	31
151	Sirtuin 1 Activation Reduces Transforming Growth Factor- β -Induced Fibrogenesis and Affords Organ Protection in a Model of Progressive, Experimental Kidney and Associated Cardiac Disease. <i>American Journal of Pathology</i> , 2017 , 187, 80-90	5.8	30
150	Optimizing the language and format of guidelines to improve guideline uptake. <i>Cmaj</i> , 2016 , 188, E362-E368	3.68	30
149	Early-outgrowth bone marrow cells attenuate renal injury and dysfunction via an antioxidant effect in a mouse model of type 2 diabetes. <i>Diabetes</i> , 2012 , 61, 2114-25	0.9	29
148	Quantitative magnetic resonance imaging can distinguish remodeling mechanisms after acute myocardial infarction based on the severity of ischemic insult. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 1095-105	4.4	28
147	Glycated Collagen Induces α 1 Integrin Expression Through TGF- β and Smad3. <i>Journal of Cellular Physiology</i> , 2015 , 230, 327-36	7	26
146	Dipeptidyl peptidase-4 inhibition improves cardiac function in experimental myocardial infarction: Role of stromal cell-derived factor-1. <i>Journal of Diabetes</i> , 2016 , 8, 63-75	3.8	26
145	Correlation of late gadolinium enhancement MRI and quantitative T2 measurement in cardiac sarcoidosis. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 609-16	5.6	26
144	Potential clinical impact of cardiovascular magnetic resonance assessment of ejection fraction on eligibility for cardioverter defibrillator implantation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 69	6.9	26
143	Value of Echocardiographic Right Ventricular and Pulmonary Pressure Assessment in Predicting Transcatheter Tricuspid Repair Outcome. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 1251-1261	5	24
142	Metoprolol impairs resistance artery function in mice. <i>Journal of Applied Physiology</i> , 2011 , 111, 1125-33	3.7	24
141	Fluorescent microangiography is a novel and widely applicable technique for delineating the renal microvasculature. <i>PLoS ONE</i> , 2011 , 6, e24695	3.7	24
140	Cardiac Overexpression of S100A6 Attenuates Cardiomyocyte Apoptosis and Reduces Infarct Size After Myocardial Ischemia-Reperfusion. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	23
139	Load-independent effects of empagliflozin contribute to improved cardiac function in experimental heart failure with reduced ejection fraction. <i>Cardiovascular Diabetology</i> , 2020 , 19, 13	8.7	23

138	Comparative assessment of 2-dimensional echocardiography vs cardiac magnetic resonance imaging in measuring left ventricular mass in patients with and without end-stage renal disease. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 384-90	3.8	23
137	Long-term tracking of bone marrow progenitor cells following intracoronary injection post-myocardial infarction in swine using MRI. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H125-33	5.2	23
136	Dual inhibition of sodium-glucose linked cotransporters 1 and 2 exacerbates cardiac dysfunction following experimental myocardial infarction. <i>Cardiovascular Diabetology</i> , 2018 , 17, 99	8.7	21
135	Early outgrowth cells release soluble endocrine antifibrotic factors that reduce progressive organ fibrosis. <i>Stem Cells</i> , 2013 , 31, 2408-19	5.8	21
134	The $\alpha 1$ integrin mediates fibroblast-extracellular matrix-cardiomyocyte interactions in health and disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H96-H106	5.2	21
133	3,4-Dihydroxyflavonol antioxidant attenuates diastolic dysfunction and cardiac remodeling in streptozotocin-induced diabetic m(Ren2)27 rats. <i>PLoS ONE</i> , 2011 , 6, e22777	3.7	20
132	Docosahexaenoic acid, but not eicosapentaenoic acid, supplementation reduces vulnerability to atrial fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 978-83	6.4	20
131	Transcatheter Edge-to-Edge Tricuspid Repair for Severe Tricuspid Regurgitation Reduces Hospitalizations for Heart Failure. <i>JACC: Heart Failure</i> , 2020 , 8, 265-276	7.9	19
130	Diabetes for Cardiologists: Practical Issues in Diagnosis and Management. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 366-377	3.8	19
129	Multi-contrast late enhancement CMR determined gray zone and papillary muscle involvement predict appropriate ICD therapy in patients with ischemic heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 57	6.9	18
128	Myocardial BOLD imaging at 3 T using quantitative T2: application in a myocardial infarct model. <i>Magnetic Resonance in Medicine</i> , 2011 , 66, 1739-47	4.4	18
127	Protein kinase C-beta inhibition attenuates the progression of nephropathy in non-diabetic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 1782-90	4.3	18
126	Multicontrast late gadolinium enhancement imaging enables viability and wall motion assessment in a single acquisition with reduced scan times. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 771-7	5.6	18
125	Angiotensin II and the cardiac complications of diabetes mellitus. <i>Current Pharmaceutical Design</i> , 2007 , 13, 2721-9	3.3	18
124	Automated quantification of myocardial infarction using graph cuts on contrast delayed enhanced magnetic resonance images. <i>Quantitative Imaging in Medicine and Surgery</i> , 2012 , 2, 81-6	3.6	18
123	Automatic functional analysis of left ventricle in cardiac cine MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013 , 3, 200-9	3.6	18
122	Empagliflozin Reduces Myocardial Extracellular Volume in Patients With Type 2 Diabetes and Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1164-1173	8.4	18
121	Mesenchymal stromal cells improve cardiac function and left ventricular remodeling in a heart transplantation model. <i>Journal of Heart and Lung Transplantation</i> , 2015 , 34, 1481-8	5.8	17

120	CXCR4 promotes renal tubular cell survival in male diabetic rats: implications for ligand inactivation in the human kidney. <i>Endocrinology</i> , 2015 , 156, 1121-32	4.8	17
119	Treatment of Diabetes in People With Heart Failure. <i>Canadian Journal of Diabetes</i> , 2018 , 42 Suppl 1, S196-S200	17	17
118	Cardiac computed tomography and magnetic resonance imaging vs. transoesophageal echocardiography for diagnosing left atrial appendage thrombi. <i>Europace</i> , 2019 , 21, e1-e10	3.9	17
117	Thrombus aspiration during primary percutaneous coronary intervention is associated with reduced myocardial edema, hemorrhage, microvascular obstruction and left ventricular remodeling. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 19	6.9	17
116	Evaluation of echocardiography indices of systolic function: a comparative study using pressure-volume loops in patients undergoing coronary artery bypass surgery. <i>Anaesthesia</i> , 2007 , 62, 109-16	6.6	17
115	Cardiovascular effects of incretins in diabetes. <i>Canadian Journal of Diabetes</i> , 2013 , 37, 309-14	2.1	16
114	COVID-19-Myocarditis and Return to Play: Reflections and Recommendations From a Canadian Working Group. <i>Canadian Journal of Cardiology</i> , 2021 , 37, 1165-1174	3.8	16
113	Can We DECLARE a Victory against Cardio-Renal Disease in Diabetes?. <i>Cell Metabolism</i> , 2018 , 28, 813-815	4.6	16
112	Experimental Right Ventricular Hypertension Induces Regional β -Integrin-Mediated Transduction of Hypertrophic and Profibrotic Right and Left Ventricular Signaling. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	15
111	N-3 polyunsaturated fatty acid supplementation does not reduce vulnerability to atrial fibrillation in remodeling atria. <i>Heart Rhythm</i> , 2012 , 9, 1115-1122.e4	6.7	15
110	Therapeutic hypercapnia prevents inhaled nitric oxide-induced right-ventricular systolic dysfunction in juvenile rats. <i>Free Radical Biology and Medicine</i> , 2014 , 69, 35-49	7.8	14
109	Experimental studies of atrial fibrillation: a comparison of two pacing models. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1206-15	5.2	14
108	Cardiovascular magnetic resonance left ventricular strain in end-stage renal disease patients after kidney transplantation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 83	6.9	13
107	The impact of empagliflozin on kidney injury molecule-1: a subanalysis of the Effects of Empagliflozin on Cardiac Structure, Function, and Circulating Biomarkers in Patients with Type 2 Diabetes CardioLink-6 trial. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 895-897	4.3	12
106	Glycaemic control and cardiovascular risk factor management in patients with diabetes with and without coronary artery disease: insights from the diabetes mellitus status in Canada survey. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2016 , 2, 277-284	4.6	12
105	Characterization of the ultrashort-TE (UTE) MR collagen signal. <i>NMR in Biomedicine</i> , 2015 , 28, 1236-44	4.4	12
104	Papillary muscle involvement in myocardial infarction: initial results using multicontrast late-enhancement MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 211-6	5.6	12
103	Can Quantitative CMR Tissue Characterization Adequately Identify Cardiotoxicity During Chemotherapy?: Impact of Temporal and Observer Variability. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 951-962	8.4	12

102	Early diastolic strain rate measurements by cardiac MRI in breast cancer patients treated with trastuzumab: a longitudinal study. <i>International Journal of Cardiovascular Imaging</i> , 2019 , 35, 653-662	2.5	12
101	Diabetes is an independent predictor of right ventricular dysfunction post ST-elevation myocardial infarction. <i>Cardiovascular Diabetology</i> , 2016 , 15, 34	8.7	11
100	Role of the eNOS-NO system in regulating the antiproteinuric effects of VEGF receptor 2 inhibition in diabetes. <i>BioMed Research International</i> , 2013 , 2013, 201475	3	11
99	OUTSMART HF: A Randomized Controlled Trial of Routine Versus Selective Cardiac Magnetic Resonance for Patients With Nonischemic Heart Failure (IMAGE-HF 1B). <i>Circulation</i> , 2020 , 141, 818-827	16.7	11
98	Relationships Between Left Ventricular Structure and Function According to Cardiac MRI and Cardiac Biomarkers in End-Stage Renal Disease. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 501-507	3.8	10
97	Effects of Empagliflozin on Left Ventricular Remodeling in Patients with Type 2 Diabetes and Coronary Artery Disease: Echocardiographic Substudy of the EMPA-HEART CardioLink-6 Randomized Clinical Trial. <i>Journal of the American Society of Echocardiography</i> , 2020 , 33, 644-646	5.8	10
96	Impaired cardiac anti-oxidant activity in diabetes: human and correlative experimental studies. <i>Acta Diabetologica</i> , 2014 , 51, 771-82	3.9	10
95	Perioperative applications of deformation (myocardial strain) imaging with speckle-tracking echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 128-140	2.1	10
94	The effect of percutaneous coronary intervention of chronically totally occluded coronary arteries on left ventricular global and regional systolic function. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 1436-42	3.8	10
93	Combination angiotensin converting enzyme and direct renin inhibition in heart failure following experimental myocardial infarction. <i>Cardiovascular Therapeutics</i> , 2013 , 31, 84-91	3.3	10
92	Does empagliflozin modulate the autonomic nervous system among individuals with type 2 diabetes and coronary artery disease? The EMPA-HEART CardioLink-6 Holter analysis. <i>Metabolism Open</i> , 2020 , 7, 100039	2.8	9
91	Comparison of the frequencies of myocardial edema determined by cardiac magnetic resonance in diabetic versus nondiabetic patients having percutaneous coronary intervention for ST elevation myocardial infarction. <i>American Journal of Cardiology</i> , 2014 , 113, 607-12	3	9
90	eNOS overexpressing bone marrow cells are safe and effective in a porcine model of myocardial regeneration following acute myocardial infarction. <i>Cardiovascular Therapeutics</i> , 2013 , 31, e72-8	3.3	9
89	Rho kinase mediates right ventricular systolic dysfunction in rats with chronic neonatal pulmonary hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 52, 717-27	5.7	8
88	Blood Pressure Management in Adults With Type 2 Diabetes: Insights From the Diabetes Mellitus Status in Canada (DM-SCAN) Survey. <i>Canadian Journal of Diabetes</i> , 2018 , 42, 130-137	2.1	8
87	Comparative feasibility of myocardial velocity and strain measurements using 2 different methods with transesophageal echocardiography during cardiac surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011 , 25, 216-20	2.1	8
86	An unusual cause of heart failure identified by echocardiography in an octogenarian. <i>European Journal of Heart Failure</i> , 2005 , 7, 99-102	12.3	8
85	12-Month outcomes of transcatheter tricuspid valve repair with the PASCAL system for severe tricuspid regurgitation. <i>Catheterization and Cardiovascular Interventions</i> , 2021 , 97, 1281-1289	2.7	8

84	Relationship between changes in blood pressure and left ventricular mass over 1 year in end-stage renal disease. <i>Journal of Hypertension</i> , 2017 , 35, 1709-1716	1.9	7
83	The role of sodium glucose cotransporter-2 (SGLT-2) inhibitors in heart failure and chronic kidney disease in type 2 diabetes. <i>Current Medical Research and Opinion</i> , 2019 , 35, 1283-1295	2.5	7
82	Left ventricular structure and diastolic function by cardiac magnetic resonance imaging in hypertrophic cardiomyopathy. <i>Indian Heart Journal</i> , 2018 , 70, 75-81	1.6	7
81	First report of hypersensitivity to ticagrelor. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 957.e3-4	3.8	7
80	Natural history of severe tricuspid regurgitation: Outcomes after transcatheter tricuspid valve intervention compared to medical therapy. <i>International Journal of Cardiology</i> , 2020 , 320, 49-54	3.2	7
79	Cardiac Fibrosis: Key Role of Integrins in Cardiac Homeostasis and Remodeling. <i>Cells</i> , 2021 , 10,	7.9	7
78	How Diabetes and Heart Failure Modulate Each Other and Condition Management. <i>Canadian Journal of Cardiology</i> , 2021 , 37, 595-608	3.8	7
77	Excessive exercise in endurance athletes: Is atrial fibrillation a possible consequence?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 973-976	3	7
76	Experimental assessment of oxygen homeostasis during acute hemodilution: the integrated role of hemoglobin concentration and blood pressure. <i>Intensive Care Medicine Experimental</i> , 2017 , 5, 12	3.7	6
75	Design of the Magnetic Resonance Imaging Evaluation of Mineralocorticoid Receptor Antagonism in Diabetic Atherosclerosis (MAGMA) Trial. <i>Clinical Cardiology</i> , 2017 , 40, 633-640	3.3	6
74	Serial Measurements of Left Ventricular Systolic and Diastolic Function by Cardiac Magnetic Resonance Imaging in Patients with Early Stage Breast Cancer on Trastuzumab. <i>American Journal of Cardiology</i> , 2019 , 123, 1173-1179	3	6
73	Assessment of the longitudinal changes in infarct heterogeneity post myocardial infarction. <i>BMC Cardiovascular Disorders</i> , 2016 , 16, 198	2.3	6
72	Evolution of right ventricular function post-acute ST elevation myocardial infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 709-14	5.6	6
71	Effect of atorvastatin on cardiac remodelling and mortality in rats following hyperglycemia and myocardial infarction. <i>International Journal of Cardiology</i> , 2010 , 143, 353-60	3.2	6
70	Left Ventricular Fibrosis in Middle-Age Athletes and Physically Active Adults. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2500-2507	1.2	6
69	Evaluating a novel free-breathing accelerated cardiac MRI cine sequence in patients with cardiomyopathy. <i>Magnetic Resonance Imaging</i> , 2019 , 61, 260-266	3.3	5
68	Renal tissue Po sensing during acute hemodilution is dependent on the diluent. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 318, R799-R812	3.2	5
67	Tissue Doppler Em and instantaneous end-diastolic stiffness: validation against pressure-volume loops in patients undergoing coronary artery bypass surgery. <i>Heart Lung and Circulation</i> , 2011 , 20, 223-30	1.8	5

66	The Dipeptidyl Peptidase 4 Substrate CXCL12 Has Opposing Cardiac Effects in Young Mice and Aged Diabetic Mice Mediated by Ca Flux and Phosphoinositide 3-Kinase \square <i>Diabetes</i> , 2018 , 67, 2443-2455	0.9	5
65	A Practical Guide to the Use of Glucose-Lowering Agents With Cardiovascular Benefit or Proven Safety. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 940-942	3.8	4
64	Computed tomography coronary angiography for patients with heart failure (CTA-HF): a randomized controlled trial (IMAGE-HF 1C). <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1083-1090	4.1	4
63	Early recovery of tricuspid annular isovolumic acceleration after mitral valve surgery - an observational study. <i>Canadian Journal of Anaesthesia</i> , 2016 , 63, 920-7	3	4
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