

Kenneth Walsh

List of Publications by Citations

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

321 papers	46,370 citations	104 h-index	210 g-index
339 ext. papers	50,789 ext. citations	9.4 avg, IF	7.35 L-index

#	Paper	IF	Citations
321	Adipokines in inflammation and metabolic disease. <i>Nature Reviews Immunology</i> , 2011 , 11, 85-97	36.5	2633
320	Regulation of endothelium-derived nitric oxide production by the protein kinase Akt. <i>Nature</i> , 1999 , 399, 597-601	50.4	2190
319	Foxo transcription factors induce the atrophy-related ubiquitin ligase atrogin-1 and cause skeletal muscle atrophy. <i>Cell</i> , 2004 , 117, 399-412	56.2	2133
318	The HMG-CoA reductase inhibitor simvastatin activates the protein kinase Akt and promotes angiogenesis in normocholesterolemic animals. <i>Nature Medicine</i> , 2000 , 6, 1004-10	50.5	1230
317	Constitutive expression of phVEGF165 after intramuscular gene transfer promotes collateral vessel development in patients with critical limb ischemia. <i>Circulation</i> , 1998 , 97, 1114-23	16.7	962
316	Adiponectin protects against myocardial ischemia-reperfusion injury through AMPK- and COX-2-dependent mechanisms. <i>Nature Medicine</i> , 2005 , 11, 1096-103	50.5	848
315	Clinical evidence of angiogenesis after arterial gene transfer of phVEGF165 in patient with ischaemic limb. <i>Lancet, The</i> , 1996 , 348, 370-4	40	834
314	Role of Akt signaling in vascular homeostasis and angiogenesis. <i>Circulation Research</i> , 2002 , 90, 1243-50	15.7	791
313	Cardiomyocyte grafting for cardiac repair: graft cell death and anti-death strategies. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 907-21	5.8	749
312	Akt promotes survival of cardiomyocytes in vitro and protects against ischemia-reperfusion injury in mouse heart. <i>Circulation</i> , 2000 , 101, 660-7	16.7	730
311	Disruption of coordinated cardiac hypertrophy and angiogenesis contributes to the transition to heart failure. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2108-18	15.9	709
310	Clonal hematopoiesis associated with TET2 deficiency accelerates atherosclerosis development in mice. <i>Science</i> , 2017 , 355, 842-847	33.3	602
309	SIRT1 regulates hepatocyte lipid metabolism through activating AMP-activated protein kinase. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20015-26	5.4	599
308	Adiponectin stimulates angiogenesis by promoting cross-talk between AMP-activated protein kinase and Akt signaling in endothelial cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 1304-9	5.4	594
307	Adiponectin-mediated modulation of hypertrophic signals in the heart. <i>Nature Medicine</i> , 2004 , 10, 1384-9	30.5	568
306	Adiponectin as an anti-inflammatory factor. <i>Clinica Chimica Acta</i> , 2007 , 380, 24-30	6.2	555
305	Obesity, adiponectin and vascular inflammatory disease. <i>Current Opinion in Lipidology</i> , 2003 , 14, 561-6	4.4	541

304	HMG-CoA reductase inhibitor mobilizes bone marrow-derived endothelial progenitor cells. <i>Journal of Clinical Investigation</i> , 2001 , 108, 399-405	15.9	532
303	Selective suppression of endothelial cell apoptosis by the high molecular weight form of adiponectin. <i>Circulation Research</i> , 2004 , 94, e27-31	15.7	510
302	Myogenin expression, cell cycle withdrawal, and phenotypic differentiation are temporally separable events that precede cell fusion upon myogenesis. <i>Journal of Cell Biology</i> , 1996 , 132, 657-66	7.3	494
301	Cardiac stem cell and myocyte aging, heart failure, and insulin-like growth factor-1 overexpression. <i>Circulation Research</i> , 2004 , 94, 514-24	15.7	477
300	Resistance to apoptosis conferred by Cdk inhibitors during myocyte differentiation. <i>Science</i> , 1996 , 273, 359-61	33.3	461
299	Akt mediates cytoprotection of endothelial cells by vascular endothelial growth factor in an anchorage-dependent manner. <i>Journal of Biological Chemistry</i> , 1999 , 274, 16349-54	5.4	456
298	Reactive oxygen species mediate the activation of Akt/protein kinase B by angiotensin II in vascular smooth muscle cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 22699-704	5.4	452
297	Adiponectin promotes macrophage polarization toward an anti-inflammatory phenotype. <i>Journal of Biological Chemistry</i> , 2010 , 285, 6153-60	5.4	405
296	MyoD-induced expression of p21 inhibits cyclin-dependent kinase activity upon myocyte terminal differentiation. <i>Molecular and Cellular Biology</i> , 1995 , 15, 3823-9	4.8	356
295	Pathological angiogenesis is induced by sustained Akt signaling and inhibited by rapamycin. <i>Cancer Cell</i> , 2006 , 10, 159-70	24.3	351
294	Shear stress stimulates phosphorylation of endothelial nitric-oxide synthase at Ser1179 by Akt-independent mechanisms: role of protein kinase A. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3388-96	5.4	350
293	Vascular endothelial growth factor-stimulated actin reorganization and migration of endothelial cells is regulated via the serine/threonine kinase Akt. <i>Circulation Research</i> , 2000 , 86, 892-6	15.7	346
292	Adiponectin replenishment ameliorates obesity-related hypertension. <i>Hypertension</i> , 2006 , 47, 1108-16	8.5	342
291	AMP-activated protein kinase is required for the lipid-lowering effect of metformin in insulin-resistant human HepG2 cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 47898-905	5.4	340
290	Sfrp5 is an anti-inflammatory adipokine that modulates metabolic dysfunction in obesity. <i>Science</i> , 2010 , 329, 454-7	33.3	337
289	Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. <i>Nature</i> , 2015 , 525, 479-85	50.4	309
288	Akt1/protein kinase B α is critical for ischemic and VEGF-mediated angiogenesis. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2119-27	15.9	303
287	Akt activity negatively regulates phosphorylation of AMP-activated protein kinase in the heart. <i>Journal of Biological Chemistry</i> , 2003 , 278, 39422-7	5.4	298

286	FGF21 is an Akt-regulated myokine. <i>FEBS Letters</i> , 2008 , 582, 3805-10	3.8	291
285	Adipokines: a link between obesity and cardiovascular disease. <i>Journal of Cardiology</i> , 2014 , 63, 250-9	3	289
284	Obesity-Induced Changes in Adipose Tissue Microenvironment and Their Impact on Cardiovascular Disease. <i>Circulation Research</i> , 2016 , 118, 1786-807	15.7	287
283	Fast/Glycolytic muscle fiber growth reduces fat mass and improves metabolic parameters in obese mice. <i>Cell Metabolism</i> , 2008 , 7, 159-72	24.6	282
282	AMP-activated protein kinase (AMPK) signaling in endothelial cells is essential for angiogenesis in response to hypoxic stress. <i>Journal of Biological Chemistry</i> , 2003 , 278, 31000-6	5.4	279
281	Regulation of cardiac growth and coronary angiogenesis by the Akt/PKB signaling pathway. <i>Genes and Development</i> , 2006 , 20, 3347-65	12.6	273
280	Adiponectin modulates inflammatory reactions via calreticulin receptor-dependent clearance of early apoptotic bodies. <i>Journal of Clinical Investigation</i> , 2007 , 117, 375-86	15.9	272
279	Cell cycle exit upon myogenic differentiation. <i>Current Opinion in Genetics and Development</i> , 1997 , 7, 597-602	4.9	270
278	Adiponectin stimulates angiogenesis in response to tissue ischemia through stimulation of amp-activated protein kinase signaling. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28670-4	5.4	261
277	Vascular endothelial growth factor blockade promotes the transition from compensatory cardiac hypertrophy to failure in response to pressure overload. <i>Hypertension</i> , 2006 , 47, 887-93	8.5	260
276	The FOXO3a transcription factor regulates cardiac myocyte size downstream of AKT signaling. <i>Journal of Biological Chemistry</i> , 2005 , 280, 20814-23	5.4	260
275	Tet2-Mediated Clonal Hematopoiesis Accelerates Heart Failure Through a Mechanism Involving the IL-1/NLRP3 Inflammasome. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 875-886	15.1	252
274	Mitofusin-2 maintains mitochondrial structure and contributes to stress-induced permeability transition in cardiac myocytes. <i>Molecular and Cellular Biology</i> , 2011 , 31, 1309-28	4.8	252
273	T-cadherin is critical for adiponectin-mediated cardioprotection in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 4342-52	15.9	233
272	Akt down-regulation of p38 signaling provides a novel mechanism of vascular endothelial growth factor-mediated cytoprotection in endothelial cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 30359-65	5.4	230
271	Hepatic overexpression of SIRT1 in mice attenuates endoplasmic reticulum stress and insulin resistance in the liver. <i>FASEB Journal</i> , 2011 , 25, 1664-79	0.9	229
270	Sphingosine 1-phosphate activates Akt, nitric oxide production, and chemotaxis through a Gi protein/phosphoinositide 3-kinase pathway in endothelial cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 19672-7	5.4	224
269	Adiponectin actions in the cardiovascular system. <i>Cardiovascular Research</i> , 2007 , 74, 11-8	9.9	220

268	The Akt-regulated forkhead transcription factor FOXO3a controls endothelial cell viability through modulation of the caspase-8 inhibitor FLIP. <i>Journal of Biological Chemistry</i> , 2004 , 279, 1513-25	5.4	215
267	Phosphatidylinositol 3-kinase/Akt activity regulates c-FLIP expression in tumor cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 6893-6	5.4	214
266	Follistatin-like 1, a secreted muscle protein, promotes endothelial cell function and revascularization in ischemic tissue through a nitric-oxide synthase-dependent mechanism. <i>Journal of Biological Chemistry</i> , 2008 , 283, 32802-11	5.4	212
265	FLICE-inhibitory protein expression during macrophage differentiation confers resistance to fas-mediated apoptosis. <i>Journal of Experimental Medicine</i> , 1999 , 190, 1679-88	16.6	212
264	NADPH oxidase 4 promotes endothelial angiogenesis through endothelial nitric oxide synthase activation. <i>Circulation</i> , 2011 , 124, 731-40	16.7	209
263	AMP-activated protein kinase signaling stimulates VEGF expression and angiogenesis in skeletal muscle. <i>Circulation Research</i> , 2005 , 96, 838-46	15.7	198
262	TNFalpha regulation of Fas ligand expression on the vascular endothelium modulates leukocyte extravasation. <i>Nature Medicine</i> , 1998 , 4, 415-20	50.5	196
261	Cell cycle withdrawal promotes myogenic induction of Akt, a positive modulator of myocyte survival. <i>Molecular and Cellular Biology</i> , 1999 , 19, 5073-82	4.8	193
260	Adiponectin protects against the development of systolic dysfunction following myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 1065-74	5.8	192
259	Follistatin-like 1 is an Akt-regulated cardioprotective factor that is secreted by the heart. <i>Circulation</i> , 2008 , 117, 3099-108	16.7	188
258	Glycoprotein 130 regulates cardiac myocyte survival in doxorubicin-induced apoptosis through phosphatidylinositol 3-kinase/Akt phosphorylation and Bcl-xL/caspase-3 interaction. <i>Circulation</i> , 2001 , 103, 555-61	16.7	187
257	Evidence for the rapid onset of apoptosis in medial smooth muscle cells after balloon injury. <i>Circulation</i> , 1997 , 95, 981-7	16.7	185
256	Vascular endothelial growth factor activates PI3K/Akt/forkhead signaling in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 294-300	9.4	181
255	Cardioprotection by adiponectin. <i>Trends in Cardiovascular Medicine</i> , 2006 , 16, 141-6	6.9	180
254	Oxidized LDL activates fas-mediated endothelial cell apoptosis. <i>Journal of Clinical Investigation</i> , 1998 , 102, 1682-9	15.9	180
253	Nuclear targeting of Akt enhances kinase activity and survival of cardiomyocytes. <i>Circulation Research</i> , 2004 , 94, 884-91	15.7	179
252	Phosphatidylinositol 3-kinase/Akt signaling controls endothelial cell sensitivity to Fas-mediated apoptosis via regulation of FLICE-inhibitory protein (FLIP). <i>Circulation Research</i> , 2001 , 89, 13-9	15.7	178
251	Functional antagonism between YY1 and the serum response factor. <i>Molecular and Cellular Biology</i> , 1992 , 12, 4209-14	4.8	167

250	Akt signaling mediates postnatal heart growth in response to insulin and nutritional status. <i>Journal of Biological Chemistry</i> , 2002 , 277, 37670-7	5.4	163
249	Vascular cell apoptosis in remodeling, restenosis, and plaque rupture. <i>Circulation Research</i> , 2000 , 87, 184-8	15.7	163
248	Acute modulation of endothelial Akt/PKB activity alters nitric oxide-dependent vasomotor activity in vivo. <i>Journal of Clinical Investigation</i> , 2000 , 106, 493-9	15.9	162
247	Mitofusins 1 and 2 are essential for postnatal metabolic remodeling in heart. <i>Circulation Research</i> , 2012 , 111, 1012-26	15.7	160
246	Modulation by peroxynitrite of Akt- and AMP-activated kinase-dependent Ser1179 phosphorylation of endothelial nitric oxide synthase. <i>Journal of Biological Chemistry</i> , 2002 , 277, 32552-7	5.4	156
245	HMG-CoA reductase inhibitor mobilizes bone marrow--derived endothelial progenitor cells. <i>Journal of Clinical Investigation</i> , 2001 , 108, 399-405	15.9	151
244	Cross-binding of factors to functionally different promoter elements in c-fos and skeletal actin genes. <i>Molecular and Cellular Biology</i> , 1989 , 9, 2191-201	4.8	147
243	Adrenomedullin induces endothelium-dependent vasorelaxation via the phosphatidylinositol 3-kinase/Akt-dependent pathway in rat aorta. <i>Circulation Research</i> , 2001 , 89, 63-70	15.7	145
242	p21CIP1-mediated inhibition of cell proliferation by overexpression of the gax homeodomain gene. <i>Genes and Development</i> , 1997 , 11, 1674-89	12.6	143
241	Impaired clearance of apoptotic cells promotes synergy between atherogenesis and autoimmune disease. <i>Journal of Experimental Medicine</i> , 2004 , 199, 1121-31	16.6	143
240	CRISPR-Mediated Gene Editing to Assess the Roles of Tet2 and Dnmt3a in Clonal Hematopoiesis and Cardiovascular Disease. <i>Circulation Research</i> , 2018 , 123, 335-341	15.7	138
239	Cardiomyocyte deletion of mitofusin-1 leads to mitochondrial fragmentation and improves tolerance to ROS-induced mitochondrial dysfunction and cell death. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H167-79	5.2	138
238	Myogenic Akt signaling regulates blood vessel recruitment during myofiber growth. <i>Molecular and Cellular Biology</i> , 2002 , 22, 4803-14	4.8	138
237	Impaired angiogenesis in glutathione peroxidase-1-deficient mice is associated with endothelial progenitor cell dysfunction. <i>Circulation Research</i> , 2006 , 98, 254-61	15.7	133
236	Akt signaling regulates side population cell phenotype via Bcrp1 translocation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 39068-75	5.4	132
235	An antiangiogenic isoform of VEGF-A contributes to impaired vascularization in peripheral artery disease. <i>Nature Medicine</i> , 2014 , 20, 1464-71	50.5	131
234	Microvascular patterning is controlled by fine-tuning the Akt signal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 128-33	11.5	131
233	Suppression of Akt signaling induces Fas ligand expression: involvement of caspase and Jun kinase activation in Akt-mediated Fas ligand regulation. <i>Molecular and Cellular Biology</i> , 2002 , 22, 680-91	4.8	131

232	Adipokines, myokines and cardiovascular disease. <i>Circulation Journal</i> , 2009 , 73, 13-8	2.9	130
231	Fas ligand gene transfer to the vessel wall inhibits neointima formation and overrides the adenovirus-mediated T cell response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 1213-7	11.5	130
230	Glycogen-Synthase Kinase3beta/beta-catenin axis promotes angiogenesis through activation of vascular endothelial growth factor signaling in endothelial cells. <i>Circulation Research</i> , 2005 , 96, 308-18	15.7	129
229	Therapeutic impact of follistatin-like 1 on myocardial ischemic injury in preclinical models. <i>Circulation</i> , 2012 , 126, 1728-38	16.7	123
228	Loss of mitofusin 2 promotes endoplasmic reticulum stress. <i>Journal of Biological Chemistry</i> , 2012 , 287, 20321-32	5.4	123
227	Intracoronary, adenovirus-mediated Akt gene transfer in heart limits infarct size following ischemia-reperfusion injury in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 2397-402	5.8	123
226	Adaptive and maladaptive behavior in Prader-Willi syndrome. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 1992 , 31, 1131-6	7.2	123
225	Endothelial cell apoptosis induced by oxidized LDL is associated with the down-regulation of the cellular caspase inhibitor FLIP. <i>Journal of Biological Chemistry</i> , 1998 , 273, 33103-6	5.4	122
224	Molecular cloning of a diverged homeobox gene that is rapidly down-regulated during the G0/G1 transition in vascular smooth muscle cells. <i>Molecular and Cellular Biology</i> , 1993 , 13, 3722-33	4.8	122
223	Profiles, correlates, and trajectories of intelligence in Prader-Willi syndrome. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 1992 , 31, 1125-30	7.2	122
222	Obesity increases vascular senescence and susceptibility to ischemic injury through chronic activation of Akt and mTOR. <i>Science Signaling</i> , 2009 , 2, ra11	8.8	120
221	Cardiac-specific deletion of LKB1 leads to hypertrophy and dysfunction. <i>Journal of Biological Chemistry</i> , 2009 , 284, 35839-49	5.4	119
220	T-cadherin is essential for adiponectin-mediated revascularization. <i>Journal of Biological Chemistry</i> , 2013 , 288, 24886-97	5.4	109
219	Vascular endothelial cells and smooth muscle cells differ in expression of Fas and Fas ligand and in sensitivity to Fas ligand-induced cell death: implications for vascular disease and therapy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 309-16	9.4	105
218	Caloric restriction stimulates revascularization in response to ischemia via adiponectin-mediated activation of endothelial nitric-oxide synthase. <i>Journal of Biological Chemistry</i> , 2009 , 284, 1718-24	5.4	104
217	Intraneuronal beta-amyloid expression downregulates the Akt survival pathway and blunts the stress response. <i>Journal of Neuroscience</i> , 2005 , 25, 10960-9	6.6	100
216	Cardiac myocyte follistatin-like 1 functions to attenuate hypertrophy following pressure overload. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E899-906	11.5	99
215	Alveolar macrophage activation and an emphysema-like phenotype in adiponectin-deficient mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008 , 294, L1035-42	5.8	99

214	GATA-6 induces p21(Cip1) expression and G1 cell cycle arrest. <i>Journal of Biological Chemistry</i> , 1998 , 273, 13713-8	5.4	98
213	Calorie restriction prevents hypertension and cardiac hypertrophy in the spontaneously hypertensive rat. <i>Hypertension</i> , 2010 , 56, 412-21	8.5	97
212	Ageing is associated with diminished apoptotic cell clearance in vivo. <i>Clinical and Experimental Immunology</i> , 2008 , 152, 448-55	6.2	97
211	Regulation of angiogenesis by glycogen synthase kinase-3beta. <i>Journal of Biological Chemistry</i> , 2002 , 277, 41888-96	5.4	96
210	Reversal of GATA-6 downregulation promotes smooth muscle differentiation and inhibits intimal hyperplasia in balloon-injured rat carotid artery. <i>Circulation Research</i> , 1999 , 84, 647-54	15.7	96
209	Adiponectin deficiency exacerbates cardiac dysfunction following pressure overload through disruption of an AMPK-dependent angiogenic response. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 210-20	5.8	91
208	Noncanonical Wnt signaling promotes obesity-induced adipose tissue inflammation and metabolic dysfunction independent of adipose tissue expansion. <i>Diabetes</i> , 2015 , 64, 1235-48	0.9	90
207	Adipolin/C1qdc2/CTRP12 protein functions as an adipokine that improves glucose metabolism. <i>Journal of Biological Chemistry</i> , 2011 , 286, 34552-8	5.4	90
206	Forkhead transcription factor FOXO3a is a negative regulator of angiogenic immediate early gene CYR61, leading to inhibition of vascular smooth muscle cell proliferation and neointimal hyperplasia. <i>Circulation Research</i> , 2007 , 100, 372-80	15.7	90
205	Decorin-mediated signal transduction in endothelial cells. Involvement of Akt/protein kinase B in up-regulation of p21(WAF1/CIP1) but not p27(KIP1). <i>Journal of Biological Chemistry</i> , 2001 , 276, 40687-92	5.4	90
204	Inhibition of myogenesis by multiple cyclin-Cdk complexes. Coordinate regulation of myogenesis and cell cycle activity at the level of E2F. <i>Journal of Biological Chemistry</i> , 1997 , 272, 791-7	5.4	89
203	Adiponectin deficiency: a model of pulmonary hypertension associated with pulmonary vascular disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009 , 297, L432-8	5.8	88
202	The polyphenols resveratrol and S17834 prevent the structural and functional sequelae of diet-induced metabolic heart disease in mice. <i>Circulation</i> , 2012 , 125, 1757-64, S1-6	16.7	88
201	DIP2A functions as a FSTL1 receptor. <i>Journal of Biological Chemistry</i> , 2010 , 285, 7127-34	5.4	87
200	An inhibitory role of the phosphatidylinositol 3-kinase-signaling pathway in vascular endothelial growth factor-induced tissue factor expression. <i>Journal of Biological Chemistry</i> , 2001 , 276, 33428-34	5.4	87
199	mTORC1 activation regulates beta-cell mass and proliferation by modulation of cyclin D2 synthesis and stability. <i>Journal of Biological Chemistry</i> , 2009 , 284, 7832-42	5.4	86
198	Different regulatory sequences control creatine kinase-M gene expression in directly injected skeletal and cardiac muscle. <i>Molecular and Cellular Biology</i> , 1993 , 13, 1264-72	4.8	86
197	Angiopietin-1 negatively regulates expression and activity of tissue factor in endothelial cells. <i>FASEB Journal</i> , 2002 , 16, 126-8	0.9	85

196	Protein kinase B/Akt activates c-Jun NH(2)-terminal kinase by increasing NO production in response to shear stress. <i>Journal of Applied Physiology</i> , 2001 , 91, 1574-81	3.7	84
195	Cardiokines: recent progress in elucidating the cardiac secretome. <i>Circulation</i> , 2012 , 126, e327-32	16.7	83
194	Cross-binding of factors to functionally different promoter elements in c-fos and skeletal actin genes. <i>Molecular and Cellular Biology</i> , 1989 , 9, 2191-2201	4.8	83
193	The novel SPARC family member SMOC-2 potentiates angiogenic growth factor activity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 22855-64	5.4	82
192	Obligatory participation of macrophages in an angiopoietin 2-mediated cell death switch. <i>Development (Cambridge)</i> , 2007 , 134, 4449-58	6.6	82
191	Activated Akt protects the lung from oxidant-induced injury and delays death of mice. <i>Journal of Experimental Medicine</i> , 2001 , 193, 545-49	16.6	82
190	Adiponectin attenuates lipopolysaccharide-induced acute lung injury through suppression of endothelial cell activation. <i>Journal of Immunology</i> , 2012 , 188, 854-63	5.3	80
189	Simvastatin treatment ameliorates autoimmune disease associated with accelerated atherosclerosis in a murine lupus model. <i>Journal of Immunology</i> , 2006 , 177, 3028-34	5.3	80
188	Evidence for adipose-muscle cross talk: opposing regulation of muscle proteolysis by adiponectin and Fatty acids. <i>Endocrinology</i> , 2007 , 148, 5696-705	4.8	80
187	Celecoxib, a cyclooxygenase-2 inhibitor, reduces neointimal hyperplasia through inhibition of Akt signaling. <i>Circulation</i> , 2004 , 110, 301-8	16.7	80
186	Metabolic benefits of resistance training and fast glycolytic skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E3-10	6	79
185	DNA-binding site for two skeletal actin promoter factors is important for expression in muscle cells. <i>Molecular and Cellular Biology</i> , 1988 , 8, 1800-2	4.8	79
184	Secreted Frizzled-related Protein 5 Diminishes Cardiac Inflammation and Protects the Heart from Ischemia/Reperfusion Injury. <i>Journal of Biological Chemistry</i> , 2016 , 291, 2566-75	5.4	78
183	Forkhead transcription factors and cardiovascular biology. <i>Circulation Research</i> , 2008 , 102, 16-31	15.7	78
182	Nitric oxide-induced downregulation of Cdk2 activity and cyclin A gene transcription in vascular smooth muscle cells. <i>Circulation</i> , 1998 , 97, 2066-72	16.7	78
181	Adiponectin promotes revascularization of ischemic muscle through a cyclooxygenase 2-dependent mechanism. <i>Molecular and Cellular Biology</i> , 2009 , 29, 3487-99	4.8	77
180	The role of homeobox genes in vascular remodeling and angiogenesis. <i>Circulation Research</i> , 2000 , 87, 865-72	15.7	77
179	PKCalpha activates eNOS and increases arterial blood flow in vivo. <i>Circulation Research</i> , 2005 , 97, 482-7	15.7	76

178	The peroxisome proliferator-activated receptor gamma agonist rosiglitazone ameliorates murine lupus by induction of adiponectin. <i>Journal of Immunology</i> , 2009 , 182, 340-6	5.3	75
177	Plasma adiponectin and mortality in critically ill subjects with acute respiratory failure. <i>Critical Care Medicine</i> , 2010 , 38, 2329-34	1.4	74
176	Akt signaling and growth of the heart. <i>Circulation</i> , 2006 , 113, 2032-4	16.7	74
175	Adiponectin accumulates in myocardial tissue that has been damaged by ischemia-reperfusion injury via leakage from the vascular compartment. <i>Cardiovascular Research</i> , 2007 , 74, 471-9	9.9	74
174	Somatic Mutations and Clonal Hematopoiesis: Unexpected Potential New Drivers of Age-Related Cardiovascular Disease. <i>Circulation Research</i> , 2018 , 122, 523-532	15.7	72
173	Adiponectin promotes endothelial progenitor cell number and function. <i>FEBS Letters</i> , 2008 , 582, 1607-13	3.8	72
172	Impact of a single intracoronary administration of adiponectin on myocardial ischemia/reperfusion injury in a pig model. <i>Circulation: Cardiovascular Interventions</i> , 2010 , 3, 166-73	6	71
171	Akt3 overexpression in the heart results in progression from adaptive to maladaptive hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 38, 375-85	5.8	71
170	A pneumocyte-macrophage paracrine lipid axis drives the lung toward fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 53, 74-86	5.7	70
169	Elevated myocardial Akt signaling ameliorates doxorubicin-induced congestive heart failure and promotes heart growth. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 1241-7	5.8	70
168	Endothelial Dysfunction in Human Diabetes Is Mediated by Wnt5a-JNK Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 561-9	9.4	69
167	The good, the bad, and the ugly of interleukin-6 signaling. <i>EMBO Journal</i> , 2014 , 33, 1425-7	13	69
166	Activin A and follistatin-like 3 determine the susceptibility of heart to ischemic injury. <i>Circulation</i> , 2009 , 120, 1606-15	16.7	69
165	Adenovirus-mediated delivery of fas ligand inhibits intimal hyperplasia after balloon injury in immunologically primed animals. <i>Circulation</i> , 1999 , 99, 1776-9	16.7	69
164	C1q/Tumor Necrosis Factor-Related Protein 9 Protects against Acute Myocardial Injury through an Adiponectin Receptor I-AMPK-Dependent Mechanism. <i>Molecular and Cellular Biology</i> , 2015 , 35, 2173-85	4.8	68
163	Cardiac growth and angiogenesis coordinated by intertissue interactions. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3176-9	15.9	68
162	Retinoic acid receptor β stimulates hepatic induction of fibroblast growth factor 21 to promote fatty acid oxidation and control whole-body energy homeostasis in mice. <i>Journal of Biological Chemistry</i> , 2013 , 288, 10490-504	5.4	67
161	Expression of gax, a growth arrest homeobox gene, is rapidly down-regulated in the rat carotid artery during the proliferative response to balloon injury. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5457-61	5.4	67

160	Regulation of smooth muscle cell migration and integrin expression by the Gax transcription factor. <i>Journal of Clinical Investigation</i> , 1999 , 104, 1469-80	15.9	67
159	Statin therapy and angiogenesis. <i>Current Opinion in Lipidology</i> , 2003 , 14, 599-603	4.4	66
158	Adiponectin deficiency, diastolic dysfunction, and diastolic heart failure. <i>Endocrinology</i> , 2010 , 151, 322-34.8	65	
157	Decreased vascular lesion formation in mice with inducible endothelial-specific expression of protein kinase Akt. <i>Journal of Clinical Investigation</i> , 2006 , 116, 334-43	15.9	64
156	Adiponectin ameliorates doxorubicin-induced cardiotoxicity through Akt protein-dependent mechanism. <i>Journal of Biological Chemistry</i> , 2011 , 286, 32790-800	5.4	63
155	Cloning, chromosomal localization and expression analysis of the mouse Akt2 oncogene. <i>Oncogene</i> , 1995 , 11, 1055-60	9.2	63
154	Follistatin-like 1 promotes cardiac fibroblast activation and protects the heart from rupture. <i>EMBO Molecular Medicine</i> , 2016 , 8, 949-66	12	62
153	Mitofusins are required for angiogenic function and modulate different signaling pathways in cultured endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 885-93	5.8	61
152	Abeta42 generation is toxic to endothelial cells and inhibits eNOS function through an Akt/GSK-3beta signaling-dependent mechanism. <i>Neurobiology of Aging</i> , 2003 , 24, 437-51	5.6	60
151	A novel role for adiponectin in the regulation of inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1219-21	9.4	59
150	The Whitening of Brown Fat and Its Implications for Weight Management in Obesity. <i>Current Obesity Reports</i> , 2015 , 4, 224-9	8.4	58
149	Humans and Mice Display Opposing Patterns of "Browning" Gene Expression in Visceral and Subcutaneous White Adipose Tissue Depots. <i>Frontiers in Cardiovascular Medicine</i> , 2017 , 4, 27	5.4	58
148	Airway delivery of soluble factors from plastic-adherent bone marrow cells prevents murine asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012 , 46, 207-16	5.7	58
147	Obesity-induced adipokine imbalance impairs mouse pulmonary vascular endothelial function and primes the lung for injury. <i>Scientific Reports</i> , 2015 , 5, 11362	4.9	57
146	Assessment of cardiac proteome dynamics with heavy water: slower protein synthesis rates in interfibrillar than subsarcolemmal mitochondria. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 304, H1201-14	5.2	56
145	Adiponectin suppresses pathological microvessel formation in retina through modulation of tumor necrosis factor-alpha expression. <i>Circulation Research</i> , 2009 , 104, 1058-65	15.7	56
144	Akt1/PKB upregulation leads to vascular smooth muscle cell hypertrophy and polyploidization. <i>Journal of Clinical Investigation</i> , 2000 , 106, 1011-20	15.9	56
143	Akt/FOXO3a signaling modulates the endothelial stress response through regulation of heat shock protein 70 expression. <i>FASEB Journal</i> , 2005 , 19, 1042-4	0.9	54

142	Coordinate regulation of cell cycle and apoptosis during myogenesis. <i>Progress in Cell Cycle Research</i> , 1997 , 3, 53-8		54
141	Glycolytic fast-twitch muscle fiber restoration counters adverse age-related changes in body composition and metabolism. <i>Aging Cell</i> , 2014 , 13, 80-91	9.9	53
140	Cardiac PI3K-Akt impairs insulin-stimulated glucose uptake independent of mTORC1 and GLUT4 translocation. <i>Molecular Endocrinology</i> , 2013 , 27, 172-84		52
139	Androgen receptor counteracts Doxorubicin-induced cardiotoxicity in male mice. <i>Molecular Endocrinology</i> , 2010 , 24, 1338-48		52
138	Endothelial Cells Regulate Physiological Cardiomyocyte Growth via VEGFR2-Mediated Paracrine Signaling. <i>Circulation</i> , 2019 , 139, 2570-2584	16.7	51
137	Functional implications of mitofusin 2-mediated mitochondrial-SR tethering. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 78, 123-8	5.8	51
136	Antiangiogenic actions of vascular endothelial growth factor-A165b, an inhibitory isoform of vascular endothelial growth factor-A, in human obesity. <i>Circulation</i> , 2014 , 130, 1072-80	16.7	51
135	Percutaneous delivery of the gax gene inhibits vessel stenosis in a rabbit model of balloon angioplasty. <i>Cardiovascular Research</i> , 1997 , 35, 536-46	9.9	51
134	Usefulness of adiponectin to predict myocardial salvage following successful reperfusion in patients with acute myocardial infarction. <i>American Journal of Cardiology</i> , 2008 , 101, 1712-5	3	51
133	Akt signaling mediates VEGF/VPF vascular permeability in vivo. <i>FEBS Letters</i> , 2002 , 532, 67-9	3.8	51
132	Muscle-derived follistatin-like 1 functions to reduce neointimal formation after vascular injury. <i>Cardiovascular Research</i> , 2014 , 103, 111-20	9.9	50
131	Follistatin-like 1 in chronic systolic heart failure: a marker of left ventricular remodeling. <i>Circulation: Heart Failure</i> , 2011 , 4, 621-7	7.6	50
130	DNA-binding site for two skeletal actin promoter factors is important for expression in muscle cells. <i>Molecular and Cellular Biology</i> , 1988 , 8, 1800-1802	4.8	50
129	Endothelial Akt signaling is rate-limiting for rapamycin inhibition of mouse mammary tumor progression. <i>Cancer Research</i> , 2007 , 67, 5070-5	10.1	49
128	Fas ligand overexpression on allograft endothelium inhibits inflammatory cell infiltration and transplant-associated intimal hyperplasia. <i>Journal of Immunology</i> , 2001 , 166, 6964-71	5.3	48
127	The myosin light chain enhancer and the skeletal actin promoter share a binding site for factors involved in muscle-specific gene expression. <i>Molecular and Cellular Biology</i> , 1991 , 11, 3735-44	4.8	47
126	Adenoviral constructs encoding phosphorylation-competent full-length and truncated forms of the human retinoblastoma protein inhibit myocyte proliferation and neointima formation. <i>Circulation</i> , 1997 , 96, 1899-905	16.7	47
125	Cyclooxygenase-2 induction by adiponectin is regulated by a sphingosine kinase-1 dependent mechanism in cardiac myocytes. <i>FEBS Letters</i> , 2008 , 582, 1147-50	3.8	46

124	-Mediated Clonal Hematopoiesis Accelerates Pathological Remodeling in Murine Heart Failure. <i>JACC Basic To Translational Science</i> , 2019 , 4, 684-697	8.7	45
123	Adiponectin upregulates hepatocyte CMKLR1 which is reduced in human fatty liver. <i>Molecular and Cellular Endocrinology</i> , 2012 , 349, 248-54	4.4	45
122	Mitofusins and the mitochondrial permeability transition: the potential downside of mitochondrial fusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 303, H243-55	5.2	44
121	Modulation of angiotensin II-mediated cardiac remodeling by the MEF2A target gene Xirp2. <i>Circulation Research</i> , 2010 , 106, 952-60	15.7	44
120	Adiponectin and cardiovascular inflammatory responses. <i>Current Atherosclerosis Reports</i> , 2007 , 9, 238-43		44
119	Microarray analysis of Akt1 activation in transgenic mouse hearts reveals transcript expression profiles associated with compensatory hypertrophy and failure. <i>Physiological Genomics</i> , 2006 , 27, 156-70 ^{3.6}		44
118	Is extravasation a Fas-regulated process?. <i>Trends in Molecular Medicine</i> , 1999 , 5, 61-7		44
117	Natural and synthetic DNA elements with the CArG motif differ in expression and protein-binding properties. <i>Molecular and Cellular Biology</i> , 1991 , 11, 6296-305	4.8	44
116	Glutaredoxin-1 up-regulation induces soluble vascular endothelial growth factor receptor 1, attenuating post-ischemia limb revascularization. <i>Journal of Biological Chemistry</i> , 2014 , 289, 8633-44	5.4	43
115	Adenovirus-mediated delivery of the Gax transcription factor to rat carotid arteries inhibits smooth muscle proliferation and induces apoptosis. <i>Gene Therapy</i> , 1999 , 6, 758-63	4	43
114	Tet2-mediated clonal hematopoiesis in nonconditioned mice accelerates age-associated cardiac dysfunction. <i>JCI Insight</i> , 2020 , 5,	9.9	43
113	Androgen receptor promotes sex-independent angiogenesis in response to ischemia and is required for activation of vascular endothelial growth factor receptor signaling. <i>Circulation</i> , 2013 , 128, 60-71	16.7	42
112	Bax-mediated cell death by the Gax homeoprotein requires mitogen activation but is independent of cell cycle activity. <i>EMBO Journal</i> , 1998 , 17, 3576-86	13	42
111	FOXO3a turns the tumor necrosis factor receptor signaling towards apoptosis through reciprocal regulation of c-Jun N-terminal kinase and NF-kappaB. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 112-20	9.4	42
110	Thiazolidinediones reduce pathological neovascularization in ischemic retina via an adiponectin-dependent mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 46-53	9.4	41
109	Effect of percutaneous adenovirus-mediated Gax gene delivery to the arterial wall in double-injured atheromatous stented rabbit iliac arteries. <i>Gene Therapy</i> , 2000 , 7, 1353-61	4	41
108	Myogenic Akt signaling attenuates muscular degeneration, promotes myofiber regeneration and improves muscle function in dystrophin-deficient mdx mice. <i>Human Molecular Genetics</i> , 2011 , 20, 1324-38 ^{5.6}		40
107	Obesity and pulmonary arterial hypertension: Is adiponectin the molecular link between these conditions?. <i>Pulmonary Circulation</i> , 2011 , 1, 440-7	2.7	40

106	Identification of follistatin-like 1 by expression cloning as an activator of the growth differentiation factor 15 gene and a prognostic biomarker in acute coronary syndrome. <i>Clinical Chemistry</i> , 2012 , 58, 1233-41	5.5	39
105	Cardiovascular Disease, Aging, and Clonal Hematopoiesis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2020 , 15, 419-438	34	39
104	Cardiac myocyte-derived follistatin-like 1 prevents renal injury in a subtotal nephrectomy model. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 636-46	12.7	38
103	Cardiometabolic effects of adiponectin. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2014 , 28, 81-91	6.5	38
102	Myogenic Akt signaling upregulates the utrophin-glycoprotein complex and promotes sarcolemma stability in muscular dystrophy. <i>Human Molecular Genetics</i> , 2009 , 18, 318-27	5.6	38
101	Regulation of cdk2 activity in endothelial cells that are inhibited from growth by cell contact. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 629-35	9.4	38
100	Cardiovascular risks associated with low dose ionizing particle radiation. <i>PLoS ONE</i> , 2014 , 9, e110269	3.7	36
99	Akt1-mediated fast/glycolytic skeletal muscle growth attenuates renal damage in experimental kidney disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 2800-11	12.7	36
98	Forkhead factor, FOXO3a, induces apoptosis of endothelial cells through activation of matrix metalloproteinases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 302-8	9.4	36
97	LKB1 deficiency in Tie2-Cre-expressing cells impairs ischemia-induced angiogenesis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 22291-8	5.4	35
96	Beta-amyloid peptide expression is sufficient for myotube death: implications for human inclusion body myopathy. <i>Molecular and Cellular Neurosciences</i> , 2001 , 17, 793-810	4.8	35
95	TET2-Loss-of-Function-Driven Clonal Hematopoiesis Exacerbates Experimental Insulin Resistance in Aging and Obesity. <i>Cell Reports</i> , 2020 , 33, 108326	10.6	35
94	Interaction of myocardial insulin receptor and IGF receptor signaling in exercise-induced cardiac hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 47, 664-75	5.8	34
93	Phosphorylation of cardiac protein kinase B is regulated by palmitate. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H1056-64	5.2	34
92	Regulation of Gax homeobox gene transcription by a combination of positive factors including myocyte-specific enhancer factor 2. <i>Molecular and Cellular Biology</i> , 1995 , 15, 4272-81	4.8	34
91	lncRNA Chronos is an aging-induced inhibitor of muscle hypertrophy. <i>Journal of Cell Biology</i> , 2017 , 216, 3497-3507	7.3	33
90	Adiponectin receptor signaling on dendritic cells blunts antitumor immunity. <i>Cancer Research</i> , 2014 , 74, 5711-22	10.1	33
89	Insulin-like 6 is induced by muscle injury and functions as a regenerative factor. <i>Journal of Biological Chemistry</i> , 2010 , 285, 36060-9	5.4	33

88	Endothelial cell overexpression of fas ligand attenuates ischemia-reperfusion injury in the heart. <i>Journal of Biological Chemistry</i> , 2003 , 278, 15185-91	5.4	33
87	A recombinant defective adenoviral agent expressing anti-bcl-2 ribozyme promotes apoptosis of bcl-2-expressing human prostate cancer cells. <i>International Journal of Cancer</i> , 1999 , 82, 846-52	7.5	33
86	Cardiac myocyte-specific ablation of follistatin-like 3 attenuates stress-induced myocardial hypertrophy. <i>Journal of Biological Chemistry</i> , 2011 , 286, 9840-8	5.4	32
85	Akt1-mediated skeletal muscle growth attenuates cardiac dysfunction and remodeling after experimental myocardial infarction. <i>Circulation: Heart Failure</i> , 2012 , 5, 116-25	7.6	32
84	Activation of Akt2 Inhibits anoikis and apoptosis induced by myogenic differentiation. <i>Cell Death and Differentiation</i> , 2001 , 8, 1207-12	12.7	32
83	Insulin-stimulated phosphorylation of endothelial nitric oxide synthase at serine-615 contributes to nitric oxide synthesis. <i>Biochemical Journal</i> , 2010 , 426, 85-90	3.8	31
82	Myocardial expression of FOXO3a-Atrogin-1 pathway in human heart failure. <i>European Journal of Heart Failure</i> , 2010 , 12, 1290-6	12.3	30
81	Fas ligand-deficient mice display enhanced leukocyte infiltration and intima hyperplasia in flow-restricted vessels. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 1395-400	5.8	29
80	miR-410 and miR-495 Are Dynamically Regulated in Diverse Cardiomyopathies and Their Inhibition Attenuates Pathological Hypertrophy. <i>PLoS ONE</i> , 2016 , 11, e0151515	3.7	29
79	Wnt5a-Mediated Neutrophil Recruitment Has an Obligatory Role in Pressure Overload-Induced Cardiac Dysfunction. <i>Circulation</i> , 2019 , 140, 487-499	16.7	28
78	Follistatin-like 3 mediates paracrine fibroblast activation by cardiomyocytes. <i>Journal of Cardiovascular Translational Research</i> , 2012 , 5, 814-26	3.3	28
77	A competitive mechanism of CArG element regulation by YY1 and SRF: implications for assessment of Phox1/MHox transcription factor interactions at CArG elements. <i>DNA and Cell Biology</i> , 1997 , 16, 653-61	3.6	28
76	Embryonic expression of the Gax homeodomain protein in cardiac, smooth, and skeletal muscle. <i>Circulation Research</i> , 1997 , 80, 452-62	15.7	28
75	Activation of non-canonical WNT signaling in human visceral adipose tissue contributes to local and systemic inflammation. <i>Scientific Reports</i> , 2017 , 7, 17326	4.9	26
74	Homeobox transcription factor regulation in the cardiovascular system. <i>Trends in Cardiovascular Medicine</i> , 1993 , 3, 184-90	6.9	25
73	Clonal Hematopoiesis and Its Impact on Cardiovascular Disease. <i>Circulation Journal</i> , 2018 , 83, 2-11	2.9	25
72	RNA-seq and metabolomic analyses of Akt1-mediated muscle growth reveals regulation of regenerative pathways and changes in the muscle secretome. <i>BMC Genomics</i> , 2017 , 18, 181	4.5	24
71	Divergent roles for adiponectin receptor 1 (AdipoR1) and AdipoR2 in mediating revascularization and metabolic dysfunction in vivo. <i>Journal of Biological Chemistry</i> , 2014 , 289, 16200-13	5.4	24

70	Targeting adiponectin for cardioprotection. <i>Expert Opinion on Therapeutic Targets</i> , 2006 , 10, 573-81	6.4	24
69	Negative regulation of inflammation by Fas ligand expression on the vascular endothelium. <i>Trends in Cardiovascular Medicine</i> , 1999 , 9, 34-41	6.9	24
68	WNT5A-JNK regulation of vascular insulin resistance in human obesity. <i>Vascular Medicine</i> , 2016 , 21, 489-496	5.2	24
67	Effects of adiponectin deficiency on structural and metabolic remodeling in mice subjected to pressure overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1639-45	5.2	23
66	Expression of wild-type and noncleavable Fas ligand by tetracycline-regulated adenoviral vectors to limit intimal hyperplasia in vascular lesions. <i>Human Gene Therapy</i> , 2000 , 11, 1625-35	4.8	23
65	Effects of poloxamer 407 on transfection time and percutaneous adenovirus-mediated gene transfer in native and stented vessels. <i>Human Gene Therapy</i> , 1998 , 9, 1013-24	4.8	23
64	WNT5A regulates adipose tissue angiogenesis via antiangiogenic VEGF-Ab in obese humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H200-H206	5.2	21
63	Early cell loss after angioplasty results in a disproportionate decrease in percutaneous gene transfer to the vessel wall. <i>Human Gene Therapy</i> , 1999 , 10, 711-21	4.8	21
62	Mitogen-responsive nuclear factors that mediate growth control signals in vascular myocytes. <i>Cardiovascular Research</i> , 1995 , 30, 585-592	9.9	21
61	Increased Akt-mTOR signaling in lung epithelium is associated with respiratory distress syndrome in mice. <i>Molecular and Cellular Biology</i> , 2011 , 31, 1054-65	4.8	20
60	Determinants of adiponectin levels in patients with chronic systolic heart failure. <i>American Journal of Cardiology</i> , 2010 , 105, 1147-52	3	20
59	Acute and Chronic Increases of Circulating FSTL1 Normalize Energy Substrate Metabolism in Pacing-Induced Heart Failure. <i>Circulation: Heart Failure</i> , 2018 , 11, e004486	7.6	19
58	Short-term akt activation in cardiac muscle cells improves contractile function in failing hearts. <i>American Journal of Pathology</i> , 2012 , 181, 1969-76	5.8	19
57	Different Sequences of Fractionated Low-Dose Proton and Single Iron-Radiation-Induced Divergent Biological Responses in the Heart. <i>Radiation Research</i> , 2017 , 188, 191-203	3.1	18
56	Endothelial overexpression of Fas ligand decreases atherosclerosis in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 1466-73	9.4	18
55	Molecular cloning and localization of the human GAX gene to 7p21. <i>Genomics</i> , 1994 , 24, 535-40	4.3	18
54	Self-reactive CD4 IL-3 T cells amplify autoimmune inflammation in myocarditis by inciting monocyte chemotaxis. <i>Journal of Experimental Medicine</i> , 2019 , 216, 369-383	16.6	17
53	Preserved heart function and maintained response to cardiac stresses in a genetic model of cardiomyocyte-targeted deficiency of cyclooxygenase-2. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 196-209	5.8	16

52	EB Polyunsaturated fatty acids prevent pressure overload-induced ventricular dilation and decrease in mitochondrial enzymes despite no change in adiponectin. <i>Lipids in Health and Disease</i> , 2010 , 9, 95	4.4	16
51	C1q Deficiency Promotes Pulmonary Vascular Inflammation and Enhances the Susceptibility of the Lung Endothelium to Injury. <i>Journal of Biological Chemistry</i> , 2015 , 290, 29642-51	5.4	14
50	The pro- and antiangiogenic effects of statins. <i>Seminars in Vascular Medicine</i> , 2004 , 4, 395-400		14
49	Aberrant cell cycle reentry in human and experimental inclusion body myositis and polymyositis. <i>Human Molecular Genetics</i> , 2014 , 23, 3681-94	5.6	13
48	What can adiponectin say about left ventricular function?. <i>Heart</i> , 2010 , 96, 331-2	5.1	13
47	Angiotensin type I receptor blockade in conjunction with enhanced Akt activation restores coronary collateral growth in the metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1938-49	5.2	13
46	Metabolomic analysis of akt1-mediated muscle hypertrophy in models of diet-induced obesity and age-related fat accumulation. <i>Journal of Proteome Research</i> , 2015 , 14, 342-52	5.6	12
45	Clonal Hematopoiesis: A New Step Linking Inflammation to Heart Failure. <i>JACC Basic To Translational Science</i> , 2020 , 5, 196-207	8.7	12
44	Adiponectin attenuates abdominal aortic aneurysm formation in hyperlipidemic mice. <i>Atherosclerosis</i> , 2014 , 235, 339-46	3.1	12
43	Foxo/atrogen induction in human and experimental myositis. <i>Neurobiology of Disease</i> , 2012 , 46, 463-75	7.5	12
42	Angiogenic-regulatory network revealed by molecular profiling heart tissue following Akt1 induction in endothelial cells. <i>Angiogenesis</i> , 2008 , 11, 289-99	10.6	12
41	Relaxin Family Member Insulin-Like Peptide 6 Ameliorates Cardiac Fibrosis and Prevents Cardiac Remodeling in Murine Heart Failure Models. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	11
40	Genetic deficiency of Wnt5a diminishes disease severity in a murine model of rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2017 , 19, 166	5.7	10
39	Genetic and Pharmacological Modulation of Akt1 for Improving Ovarian Graft Revascularization in a Mouse Model. <i>Biology of Reproduction</i> , 2016 , 94, 14	3.9	9
38	TNF-TNFR2/p75 signaling inhibits early and increases delayed nontargeted effects in bone marrow-derived endothelial progenitor cells. <i>Journal of Biological Chemistry</i> , 2014 , 289, 14178-93	5.4	9
37	Cyclosporine downregulates Fas ligand expression on vascular endothelial cells: implication for accelerated vasculopathy by immunosuppressive therapy. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 263, 430-2	3.4	9
36	Cloning and sequence analysis of homeobox transcription factor cDNAs with an inosine-containing probe. <i>BioTechniques</i> , 1994 , 16, 856-8, 860-2, 865	2.5	9
35	The injury-induced myokine insulin-like 6 is protective in experimental autoimmune myositis. <i>Skeletal Muscle</i> , 2014 , 4, 16	5.1	8

34	Genetics of age-related clonal hematopoiesis and atherosclerotic cardiovascular disease. <i>Current Opinion in Cardiology</i> , 2020 , 35, 219-225	2.1	7
33	Potential of adiponectin as a cardioprotective agent. <i>Future Cardiology</i> , 2007 , 3, 647-56	1.3	7
32	Cell-Free Mitochondrial DNA as a Potential Biomarker for Astronauts' Health. <i>Journal of the American Heart Association</i> , 2021 , 10, e022055	6	7
31	The role of clonal haematopoiesis in cardiovascular diseases: epidemiology and experimental studies. <i>Journal of Internal Medicine</i> , 2020 , 288, 507-517	10.8	7
30	Lentiviral CRISPR/Cas9-Mediated Genome Editing for the Study of Hematopoietic Cells in Disease Models. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	6
29	TP53-mediated therapy-related clonal hematopoiesis contributes to doxorubicin-induced cardiomyopathy by augmenting a neutrophil-mediated cytotoxic response. <i>JCI Insight</i> , 2021 , 6,	9.9	6
28	Lipidomic analysis of the liver identifies changes of major and minor lipid species in adiponectin deficient mice. <i>Experimental and Molecular Pathology</i> , 2013 , 94, 412-7	4.4	5
27	Perivascular Adipose Tissue Inflammation in Ischemic Heart Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 1239-1250	9.4	5
26	Growth-arrest homeobox gene Gax: a molecular strategy to prevent arterial restenosis. <i>Swiss Medical Weekly</i> , 1996 , 126, 1721-6	3.1	5
25	Partial Liver Kinase B1 (LKB1) Deficiency Promotes Diastolic Dysfunction, De Novo Systolic Dysfunction, Apoptosis, and Mitochondrial Dysfunction With Dietary Metabolic Challenge. <i>Journal of the American Heart Association</i> , 2015 , 5,	6	4
24	Gene therapy for restenosis. <i>Current Cardiology Reports</i> , 2000 , 2, 13-23	4.2	4
23	Somatic mosaicism: implications for the cardiovascular system. <i>European Heart Journal</i> , 2020 , 41, 2904-2907	9.7	4
22	The Cancer Therapy-Related Clonal Hematopoiesis Driver Gene Promotes Inflammation and Non-Ischemic Heart Failure in Mice. <i>Circulation Research</i> , 2021 , 129, 684-698	15.7	4
21	Hematopoiesis Lineage Tree Uprooted: Every Cell Is a Rainbow. <i>Developmental Cell</i> , 2017 , 41, 7-9	10.2	3
20	Nitroxide-enhanced MRI of cardiovascular oxidative stress. <i>NMR in Biomedicine</i> , 2020 , 33, e4359	4.4	2
19	Prospects for intravascular gene therapy. <i>Journal of Clinical Apheresis</i> , 1997 , 12, 140-5	3.2	2
18	Bone Marrow Transplantation Procedures in Mice to Study Clonal Hematopoiesis. <i>Journal of Visualized Experiments</i> , 2021 ,	1.6	2
17	Isolation of Highly Purified and Viable Retinal Endothelial Cells. <i>Journal of Vascular Research</i> , 2021 , 58, 49-57	1.9	2

16	The Cell Surface Receptors Ror1/2 Control Cardiac Myofibroblast Differentiation. <i>Journal of the American Heart Association</i> , 2021 , 10, e019904	6	2
15	A recombinant defective adenoviral agent expressing anti-bcl-2 ribozyme promotes apoptosis of bcl-2-expressing human prostate cancer cells 1999 , 82, 846		2
14	Cardioprotective Actions of Adiponectin. <i>High Blood Pressure and Cardiovascular Prevention</i> , 2007 , 14, 69-73	2.9	1
13	Forkhead Factor, FOXO3a, Induces Apoptosis of Endothelial Cells Through Activation of Matrix Metalloproteinases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 302-308	9.4	1
12	Adipokines in inflammation and metabolic disease		1
11	Importance of clonal hematopoiesis in heart failure. <i>Trends in Cardiovascular Medicine</i> , 2021 ,	6.9	1
10	Murine models of clonal hematopoiesis to assess mechanisms of cardiovascular disease. <i>Cardiovascular Research</i> , 2021 ,	9.9	1
9	Application of ion-sensitive field effect transistors for measuring glial cell K ⁺ transport 2016 ,		1
8	Hematopoietic JAK2-mediated clonal hematopoiesis: AIM2 understand mechanisms of atherogenesis 2021 , 1,		1
7	Space flight associated changes in astronauts' plasma-derived small extracellular vesicle microRNA: Biomarker identification. <i>Clinical and Translational Medicine</i> , 2022 , 12,	5.7	1
6	Emerging Role of Exosomal Long Non-coding RNAs in Spaceflight-Associated Risks in Astronauts.. <i>Frontiers in Genetics</i> , 2021 , 12, 812188	4.5	0
5	Regulation of Angiogenesis and Vascular Remodeling by Endothelial Akt Signaling729-736		
4	Regulation of Inflammation by Fas Ligand Expression on the Vascular Endothelium 1999 , 125-141		
3	Contribution of Circulating Progenitor Cells to Vascular Repair and Lesion Formation 2007 , 185-197		
2	Somatic mutations that contribute to clonal hematopoiesis and cardiovascular disease risk: New mechanisms, new pharmacological targets. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, SY4-1	0	
1	Regulation of Vascular Smooth Muscle Differentiation and Cell Cycle 1999 , 429-443		