

Costanza Emanuelli

List of Publications by Year in Descending Order

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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.

197
papers

10,420
citations

60
h-index

95
g-index

206
ext. papers

11,823
ext. citations

8.9
avg, IF

6.19
L-index

#	Paper	IF	Citations
197	NADPH-derived ROS generation drives fibrosis and endothelial-to-mesenchymal transition in systemic sclerosis: Potential cross talk with circulating miRNAs.. <i>Biomolecular Concepts</i> , 2022 , 13, 11-24	3.7	0
196	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies - from exosomes to microvesicles.. <i>Cardiovascular Research</i> , 2022 ,	9.9	4
195	Pro-angiogenic approach for skeletal muscle regeneration. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021 , 1866, 130059	4	1
194	Peripheral blood RNA biomarkers for cardiovascular disease from bench to bedside: A Position Paper from the EU-CardioRNA COST Action CA17129. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
193	Cardiovascular RNA markers and artificial intelligence may improve COVID-19 outcome: a position paper from the EU-CardioRNA COST Action CA17129. <i>Cardiovascular Research</i> , 2021 , 117, 1823-1840	9.9	5
192	METTL3 Regulates Angiogenesis by Modulating let-7e-5p and miRNA-18a-5p Expression in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, e325-e337	9.4	5
191	Remote ischemic preconditioning in isolated valve intervention. A pooled meta-analysis. <i>International Journal of Cardiology</i> , 2021 , 324, 146-151	3.2	1
190	To serve and protect: a new heart patrolling and recycling role for macrophages. <i>Cardiovascular Research</i> , 2021 , 117, e17-e20	9.9	0
189	Dissecting the transcriptome in cardiovascular disease. <i>Cardiovascular Research</i> , 2021 ,	9.9	3
188	Bioinspired artificial exosomes based on lipid nanoparticles carrying let-7b-5p promote angiogenesis in vitro and in vivo. <i>Molecular Therapy</i> , 2021 , 29, 2239-2252	11.7	12
187	In Vivo Characterization of Endogenous Cardiovascular Extracellular Vesicles in Larval and Adult Zebrafish. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2454-2468	9.4	5
186	Relevance of N6-methyladenosine regulators for transcriptome: Implications for development and the cardiovascular system. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 160, 56-70	5.8	1
185	Native and bioengineered extracellular vesicles for cardiovascular therapeutics. <i>Nature Reviews Cardiology</i> , 2020 , 17, 685-697	14.8	80
184	Analysis of Neat Biofluids Obtained During Cardiac Surgery Using Nanoparticle Tracking Analysis: Methodological Considerations. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 367	5.7	4
183	MicroRNA-24-3p Targets Notch and Other Vascular Morphogens to Regulate Post-ischemic Microvascular Responses in Limb Muscles. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
182	Exosomes Could Offer New Options to Combat the Long-Term Complications Inflicted by Gestational Diabetes Mellitus. <i>Cells</i> , 2020 , 9,	7.9	11
181	Exosomes: From Potential Culprits to New Therapeutic Promise in the Setting of Cardiac Fibrosis. <i>Cells</i> , 2020 , 9,	7.9	20

180	Regulatory RNAs in Heart Failure. <i>Circulation</i> , 2020 , 141, 313-328	16.7	68
179	The LINC00961 transcript and its encoded micropeptide, small regulatory polypeptide of amino acid response, regulate endothelial cell function. <i>Cardiovascular Research</i> , 2020 , 116, 1981-1994	9.9	19
178	Call to action for the cardiovascular side of COVID-19. <i>European Heart Journal</i> , 2020 , 41, 1796-1797	9.5	9
177	MicroRNAs as potential biomarkers in congenital heart surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 1532-1540.e7	1.5	7
176	miR-15a/-16 Inhibit Angiogenesis by Targeting the Tie2 Coding Sequence: Therapeutic Potential of a miR-15a/16 Decoy System in Limb Ischemia. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 17, 49-62	10.7	23
175	Nerve growth factor gene therapy improves bone marrow sensory innervation and nociceptor-mediated stem cell release in a mouse model of type 1 diabetes with limb ischaemia. <i>Diabetologia</i> , 2019 , 62, 1297-1311	10.3	7
174	Optimisation of laboratory methods for whole transcriptomic RNA analyses in human left ventricular biopsies and blood samples of clinical relevance. <i>PLoS ONE</i> , 2019 , 14, e0213685	3.7	6
173	Enhanced notch signaling modulates unproductive revascularization in response to nitric oxide-angiotensin signaling in a mouse model of peripheral ischemia. <i>Microcirculation</i> , 2019 , 26, e12549 ²⁻⁹		3
172	Catalyzing Transcriptomics Research in Cardiovascular Disease: The CardioRNA COST Action CA17129. <i>Non-coding RNA</i> , 2019 , 5,	7.1	7
171	WWP2 regulates pathological cardiac fibrosis by modulating SMAD2 signaling. <i>Nature Communications</i> , 2019 , 10, 3616	17.4	24
170	Aortic morphological variability in patients with bicuspid aortic valve and aortic coarctation. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 704-713	3	12
169	Remote ischaemic preconditioning in isolated aortic valve and coronary artery bypass surgery: a randomized trial. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 905-912	3	5
168	Robust Revascularization in Models of Limb Ischemia Using a Clinically Translatable Human Stem Cell-Derived Endothelial Cell Product. <i>Molecular Therapy</i> , 2018 , 26, 1669-1684	11.7	29
167	Transplantation of Allogeneic Pericytes Improves Myocardial Vascularization and Reduces Interstitial Fibrosis in a Swine Model of Reperfused Acute Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	28
166	MWASTools: an R/bioconductor package for metabolome-wide association studies. <i>Bioinformatics</i> , 2018 , 34, 890-892	7.2	13
165	Enlightening the Association between Bicuspid Aortic Valve and Aortopathy. <i>Journal of Cardiovascular Development and Disease</i> , 2018 , 5,	4.2	11
164	Exosomes: Basic Biology and Technological Advancements Suggesting Their Potential as Ischemic Heart Disease Therapeutics. <i>Frontiers in Physiology</i> , 2018 , 9, 1159	4.6	29
163	BDNF (Brain-Derived Neurotrophic Factor) Promotes Embryonic Stem Cells Differentiation to Endothelial Cells Via a Molecular Pathway, Including MicroRNA-214, EZH2 (Enhancer of Zeste Homolog 2), and eNOS (Endothelial Nitric Oxide Synthase). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2117-2125	9.4	21

162	miR-210 Enhances the Therapeutic Potential of Bone-Marrow-Derived Circulating Proangiogenic Cells in the Setting of Limb Ischemia. <i>Molecular Therapy</i> , 2018 , 26, 1694-1705	11.7	18
161	Circulating MicroRNAs to Predict the Risk for Metabolic Diseases in the General Population?. <i>Diabetes</i> , 2017 , 66, 565-567	0.9	7
160	Human Pericardial Fluid Contains Exosomes Enriched with Cardiovascular-Expressed MicroRNAs and Promotes Therapeutic Angiogenesis. <i>Molecular Therapy</i> , 2017 , 25, 679-693	11.7	122
159	Methodological Guidelines to Study Extracellular Vesicles. <i>Circulation Research</i> , 2017 , 120, 1632-1648	15.7	490
158	MicroRNAs in Diabetes and Its Vascular Complications. <i>Cardiac and Vascular Biology</i> , 2017 , 39-59	0.2	
157	Extracellular vesicles at the cross-line between basic science and clinical needs. <i>Microcirculation</i> , 2017 , 24, e12333	2.9	3
156	Transcriptional and Post-transcriptional Gene Regulation by Long Non-coding RNA. <i>Genomics, Proteomics and Bioinformatics</i> , 2017 , 15, 177-186	6.5	430
155	Modulating microRNAs in cardiac surgery patients: Novel therapeutic opportunities?. <i>Pharmacology & Therapeutics</i> , 2017 , 170, 192-204	13.9	13
154	Synthetic microparticles conjugated with VEGF improve the survival of endothelial progenitor cells via microRNA-17 inhibition. <i>Nature Communications</i> , 2017 , 8, 747	17.4	28
153	The Function and Therapeutic Potential of Long Non-coding RNAs in Cardiovascular Development and Disease. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 8, 494-507	10.7	75
152	Type-2 diabetes increases autophagy in the human heart through promotion of Beclin-1 mediated pathway. <i>International Journal of Cardiology</i> , 2016 , 202, 13-20	3.2	77
151	MicroRNA transport in cardiovascular complication of diabetes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 2111-2120	5	15
150	A Role for the Long Noncoding RNA SENCER in Commitment and Function of Endothelial Cells. <i>Molecular Therapy</i> , 2016 , 24, 978-90	11.7	111
149	Coronary Artery-Bypass-Graft Surgery Increases the Plasma Concentration of Exosomes Carrying a Cargo of Cardiac MicroRNAs: An Example of Exosome Trafficking Out of the Human Heart with Potential for Cardiac Biomarker Discovery. <i>PLoS ONE</i> , 2016 , 11, e0154274	3.7	79
148	Regulation of Vascular Endothelium Inflammatory Signalling by Shear Stress. <i>Current Vascular Pharmacology</i> , 2016 , 14, 181-6	3.3	23
147	Platelet lysate gel and endothelial progenitors stimulate microvascular network formation in vitro: tissue engineering implications. <i>Scientific Reports</i> , 2016 , 6, 25326	4.9	37
146	Exosomes in Diabetic Cardiomyopathy: The Next-Generation Therapeutic Targets?. <i>Diabetes</i> , 2016 , 65, 2829-31	0.9	13
145	MicroRNAs in Vascular Remodeling and Repair 2015 , 601-629		

144	Gestational diabetes mellitus impairs fetal endothelial cell functions through a mechanism involving microRNA-101 and histone methyltransferase enhancer of zester homolog-2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 664-74	9.4	77
143	Epigenetic profile of human adventitial progenitor cells correlates with therapeutic outcomes in a mouse model of limb ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 675-88	9.4	35
142	Exosomes and exosomal miRNAs in cardiovascular protection and repair. <i>Vascular Pharmacology</i> , 2015 , 71, 24-30	5.9	169
141	MicroRNAs in vascular tissue engineering and post-ischemic neovascularization. <i>Advanced Drug Delivery Reviews</i> , 2015 , 88, 78-91	18.5	24
140	Combined intramyocardial delivery of human pericytes and cardiac stem cells additively improves the healing of mouse infarcted hearts through stimulation of vascular and muscular repair. <i>Circulation Research</i> , 2015 , 116, e81-94	15.7	98
139	Cardiac Nerve Growth Factor Overexpression Induces Bone Marrow-derived Progenitor Cells Mobilization and Homing to the Infarcted Heart. <i>Molecular Therapy</i> , 2015 , 23, 1854-66	11.7	11
138	p75(NTR)-dependent activation of NF- κ B regulates microRNA-503 transcription and pericyte-endothelial crosstalk in diabetes after limb ischaemia. <i>Nature Communications</i> , 2015 , 6, 8024	17.4	89
137	EZH2 modulates angiogenesis in vitro and in a mouse model of limb ischemia. <i>Molecular Therapy</i> , 2015 , 23, 32-42	11.7	39
136	Copper Transport Protein Antioxidant-1 Promotes Inflammatory Neovascularization via Chaperone and Transcription Factor Function. <i>Scientific Reports</i> , 2015 , 5, 14780	4.9	45
135	Migration towards SDF-1 selects angiogenin-expressing bone marrow monocytes endowed with cardiac reparative activity in patients with previous myocardial infarction. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 53	8.3	9
134	Non coding RNAs in aortic aneurysmal disease. <i>Frontiers in Genetics</i> , 2015 , 6, 125	4.5	29
133	MicroRNAs as clinical biomarkers?. <i>Frontiers in Genetics</i> , 2015 , 6, 240	4.5	11
132	Bridging Basic Science with Cardiac Surgery: The Bristol Heart Institute Experience. <i>Frontiers in Surgery</i> , 2015 , 2, 31	2.3	2
131	Circulating MicroRNAs as new biomarkers of ischaemia/reperfusion injury during cardiac surgery. <i>Cardiology</i> , 2015 , 130, 234-6	1.6	2
130	Expansion and characterization of neonatal cardiac pericytes provides a novel cellular option for tissue engineering in congenital heart disease. <i>Journal of the American Heart Association</i> , 2015 , 4, e002043	6.3	53
129	Data supporting the activation of autophagy genes in the diabetic heart. <i>Data in Brief</i> , 2015 , 5, 269-75	1.2	5
128	Sensory neuropathy hampers nociception-mediated bone marrow stem cell release in mice and patients with diabetes. <i>Diabetologia</i> , 2015 , 58, 2653-62	10.3	26
127	A journey from basic stem cell discovery to clinical application: the case of adventitial progenitor cells. <i>Regenerative Medicine</i> , 2015 , 10, 39-47	2.5	7

126	Noncoding RNAs in diabetes vascular complications. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 89, 42-50	5.8	53
125	MicroRNAs in congenital heart disease. <i>Annals of Translational Medicine</i> , 2015 , 3, 333	3.2	34
124	Combined Intramyocardial Delivery of Human Pericytes and Cardiac Stem Cells Additively Improves the Healing of Mouse Infarcted Hearts Through Stimulation of Vascular and Muscular Repair. <i>Circulation Research</i> , 2015 , 116,	15.7	1
123	The biology of neurotrophins: cardiovascular function. <i>Handbook of Experimental Pharmacology</i> , 2014 , 220, 309-28	3.2	14
122	Concise review: MicroRNAs as modulators of stem cells and angiogenesis. <i>Stem Cells</i> , 2014 , 32, 1059-66	5.8	57
121	Ex vivo molecular rejuvenation improves the therapeutic activity of senescent human cardiac stem cells in a mouse model of myocardial infarction. <i>Stem Cells</i> , 2014 , 32, 2373-85	5.8	52
120	Oxidative stress-dependent activation of collagen synthesis is induced in human pulmonary smooth muscle cells by sera from patients with scleroderma-associated pulmonary hypertension. <i>Orphanet Journal of Rare Diseases</i> , 2014 , 9, 123	4.2	26
119	Migratory activity of circulating mononuclear cells is associated with cardiovascular mortality in type 2 diabetic patients with critical limb ischemia. <i>Diabetes Care</i> , 2014 , 37, 1410-7	14.6	10
118	miRNAs in post-ischaemic angiogenesis and vascular remodelling. <i>Biochemical Society Transactions</i> , 2014 , 42, 1629-36	5.1	15
117	Rapid onset of cardiomyopathy in STZ-induced female diabetic mice involves the downregulation of pro-survival Pim-1. <i>Cardiovascular Diabetology</i> , 2014 , 13, 68	8.7	39
116	Arteriogenic therapy based on simultaneous delivery of VEGF-A and FGF4 genes improves the recovery from acute limb ischemia. <i>Vascular Cell</i> , 2013 , 5, 13	1	9
115	Pre-emptive hypoxia-regulated HO-1 gene therapy improves post-ischaemic limb perfusion and tissue regeneration in mice. <i>Cardiovascular Research</i> , 2013 , 97, 115-24	9.9	38
114	Boosting the pentose phosphate pathway restores cardiac progenitor cell availability in diabetes. <i>Cardiovascular Research</i> , 2013 , 97, 55-65	9.9	45
113	miRNome-34 induces cardiac damage. <i>Cell Research</i> , 2013 , 23, 866-7	24.7	10
112	Blood flow and stem cells in vascular disease. <i>Cardiovascular Research</i> , 2013 , 99, 251-9	9.9	31
111	Local inhibition of microRNA-24 improves reparative angiogenesis and left ventricle remodeling and function in mice with myocardial infarction. <i>Molecular Therapy</i> , 2013 , 21, 1390-402	11.7	107
110	Global remodeling of the vascular stem cell niche in bone marrow of diabetic patients: implication of the microRNA-155/FOXO3a signaling pathway. <i>Circulation Research</i> , 2013 , 112, 510-22	15.7	106
109	Diabetes causes bone marrow endothelial barrier dysfunction by activation of the RhoA-Rho-associated kinase signaling pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 555-64	9.4	53

108	You can teach an old dog new tricks: angiopoietin-1 instructs Tie2(pos) myeloid cells to promote neovascularization in ischemic limbs. <i>EMBO Molecular Medicine</i> , 2013 , 5, 802-4	12	3
107	Perivascular delivery of encapsulated mesenchymal stem cells improves postischemic angiogenesis via paracrine activation of VEGF-A. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1872-80	9.4	54
106	MicroRNA-15a and microRNA-16 impair human circulating proangiogenic cell functions and are increased in the proangiogenic cells and serum of patients with critical limb ischemia. <i>Circulation Research</i> , 2013 , 112, 335-46	15.7	151
105	Vascular differentiation from embryonic stem cells: novel technologies and therapeutic promises. <i>Vascular Pharmacology</i> , 2012 , 56, 267-79	5.9	34
104	Nerve growth factor gene therapy using adeno-associated viral vectors prevents cardiomyopathy in type 1 diabetic mice. <i>Diabetes</i> , 2012 , 61, 229-40	0.9	30
103	Role of microRNAs in diabetes and its cardiovascular complications. <i>Cardiovascular Research</i> , 2012 , 93, 583-93	9.9	180
102	Apricot melanoidins prevent oxidative endothelial cell death by counteracting mitochondrial oxidation and membrane depolarization. <i>PLoS ONE</i> , 2012 , 7, e48817	3.7	36
101	Role of microRNAs 99b, 181a, and 181b in the differentiation of human embryonic stem cells to vascular endothelial cells. <i>Stem Cells</i> , 2012 , 30, 643-54	5.8	81
100	Soluble ST2 is regulated by p75 neurotrophin receptor and predicts mortality in diabetic patients with critical limb ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, e149-60	9.4	33
99	Role for substance p-based nociceptive signaling in progenitor cell activation and angiogenesis during ischemia in mice and in human subjects. <i>Circulation</i> , 2012 , 125, 1774-86, S1-19	16.7	77
98	MicroRNAs in Postischemic Vascular Repair. <i>Cardiology Research and Practice</i> , 2012 , 2012, 486702	1.9	28
97	Diabetes-induced epigenetic signature in vascular cells. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2012 , 12, 107-17	2.2	7
96	MicroRNA-503 and the extended microRNA-16 family in angiogenesis. <i>Trends in Cardiovascular Medicine</i> , 2011 , 21, 162-6	6.9	66
95	Pluripotent stem cell differentiation into vascular cells: a novel technology with promises for vascular re(generation). <i>Pharmacology & Therapeutics</i> , 2011 , 129, 29-49	13.9	83
94	MicroRNA regulation in angiogenesis. <i>Vascular Pharmacology</i> , 2011 , 55, 79-86	5.9	129
93	Deregulation of microRNA-503 contributes to diabetes mellitus-induced impairment of endothelial function and reparative angiogenesis after limb ischemia. <i>Circulation</i> , 2011 , 123, 282-91	16.7	322
92	Tissue kallikrein is essential for invasive capacity of circulating proangiogenic cells. <i>Circulation Research</i> , 2011 , 108, 284-93	15.7	39
91	Intravenous gene therapy with PIM-1 via a cardiotropic viral vector halts the progression of diabetic cardiomyopathy through promotion of prosurvival signaling. <i>Circulation Research</i> , 2011 , 108, 1238-51	15.7	96

90	Transplantation of human pericyte progenitor cells improves the repair of infarcted heart through activation of an angiogenic program involving micro-RNA-132. <i>Circulation Research</i> , 2011 , 109, 894-906	15.7	286
89	Involvement of phosphoinositide 3-kinase gamma in angiogenesis and healing of experimental myocardial infarction in mice. <i>Circulation Research</i> , 2010 , 106, 757-68	15.7	72
88	Neurotrophin-3 is a novel angiogenic factor capable of therapeutic neovascularization in a mouse model of limb ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1143-50	9.4	48
87	Nerve growth factor promotes cardiac repair following myocardial infarction. <i>Circulation Research</i> , 2010 , 106, 1275-84	15.7	148
86	Inhibition of delta-like-4-mediated signaling impairs reparative angiogenesis after ischemia. <i>Circulation Research</i> , 2010 , 107, 283-93	15.7	67
85	Human adult vena saphena contains perivascular progenitor cells endowed with clonogenic and proangiogenic potential. <i>Circulation</i> , 2010 , 121, 1735-45	16.7	239
84	Vitamin B1 analog benfotiamine prevents diabetes-induced diastolic dysfunction and heart failure through Akt/Pim-1-mediated survival pathway. <i>Circulation: Heart Failure</i> , 2010 , 3, 294-305	7.6	79
83	Diabetes mellitus induces bone marrow microangiopathy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 498-508	9.4	167
82	Derivation of endothelial cells from human embryonic stem cells by directed differentiation: analysis of microRNA and angiogenesis in vitro and in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1389-97	9.4	131
81	Benfotiamine improves functional recovery of the infarcted heart via activation of pro-survival G6PD/Akt signaling pathway and modulation of neurohormonal response. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 625-38	5.8	59
80	Critical role of tissue kallikrein in vessel formation and maturation: implications for therapeutic revascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 657-64	9.4	53
79	Cardiovascular actions of neurotrophins. <i>Physiological Reviews</i> , 2009 , 89, 279-308	47.9	137
78	Human CD133+ progenitor cells promote the healing of diabetic ischemic ulcers by paracrine stimulation of angiogenesis and activation of Wnt signaling. <i>Circulation Research</i> , 2009 , 104, 1095-102	15.7	213
77	Possible novel targets for therapeutic angiogenesis. <i>Current Opinion in Pharmacology</i> , 2009 , 9, 102-8	5.1	34
76	Identification of the prosurvival activity of nerve growth factor on cardiac myocytes. <i>Cell Death and Differentiation</i> , 2008 , 15, 299-311	12.7	81
75	Diabetes and vessel wall remodelling: from mechanistic insights to regenerative therapies. <i>Cardiovascular Research</i> , 2008 , 78, 265-73	9.9	110
74	Neurotrophin p75 receptor (p75NTR) promotes endothelial cell apoptosis and inhibits angiogenesis: implications for diabetes-induced impaired neovascularization in ischemic limb muscles. <i>Circulation Research</i> , 2008 , 103, e15-26	15.7	78
73	Role of kinin B2 receptor signaling in the recruitment of circulating progenitor cells with neovascularization potential. <i>Circulation Research</i> , 2008 , 103, 1335-43	15.7	90

72	Phosphoinositide 3-kinase gamma gene knockout impairs postischemic neovascularization and endothelial progenitor cell functions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 68-76	9.4	68
71	Genetic and dietary control of plasma tissue kallikrein secretion and urinary kinins excretion in man. <i>Journal of Hypertension</i> , 2008 , 26, 714-20	1.9	12
70	Human fetal aorta-derived vascular progenitor cells: identification and potential application in ischemic diseases. <i>Cytotechnology</i> , 2008 , 58, 43-7	2.2	15
69	Nitropravastatin stimulates reparative neovascularisation and improves recovery from limb Ischaemia in type-1 diabetic mice. <i>British Journal of Pharmacology</i> , 2007 , 150, 873-82	8.6	37
68	Switching on reparative angiogenesis: essential role of the vascular erythropoietin receptor. <i>Circulation Research</i> , 2007 , 100, 599-601	15.7	4
67	Human fetal aorta contains vascular progenitor cells capable of inducing vasculogenesis, angiogenesis, and myogenesis in vitro and in a murine model of peripheral ischemia. <i>American Journal of Pathology</i> , 2007 , 170, 1879-92	5.8	88
66	Mechanisms of disease: the tissue kallikrein-kinin system in hypertension and vascular remodeling. <i>Nature Clinical Practice Nephrology</i> , 2007 , 3, 208-21		79
65	Type-2 diabetic Lepr(db/db) mice show a defective microvascular phenotype under basal conditions and an impaired response to angiogenesis gene therapy in the setting of limb ischemia. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 2003-12	2.8	33
64	Benfotiamine accelerates the healing of ischaemic diabetic limbs in mice through protein kinase B/Akt-mediated potentiation of angiogenesis and inhibition of apoptosis. <i>Diabetologia</i> , 2006 , 49, 405-20	10.3	69
63	Murine models of myocardial and limb ischemia: diagnostic end-points and relevance to clinical problems. <i>Vascular Pharmacology</i> , 2006 , 45, 281-301	5.9	41
62	Therapeutic angiogenesis: translating experimental concepts to medically relevant goals. <i>Vascular Pharmacology</i> , 2006 , 45, 334-9	5.9	17
61	Diagnostic tools for the study of vascular cognitive dysfunction in hypertension and antihypertensive drug research 2006 , 109, 274-83		14
60	Regional and global protective effects of tissue kallikrein gene delivery to the peri-infarct myocardium. <i>Regenerative Medicine</i> , 2006 , 1, 235-54	2.5	21
59	The Renin-Angiotensin System, Capri 2005. <i>High Blood Pressure and Cardiovascular Prevention</i> , 2005 , 12, 91-108	2.9	
58	Changing the logic of therapeutic angiogenesis for ischemic disease. <i>Trends in Molecular Medicine</i> , 2005 , 11, 207-16	11.5	13
57	Antiangiogenesis mediates cisplatin-induced peripheral neuropathy: attenuation or reversal by local vascular endothelial growth factor gene therapy without augmenting tumor growth. <i>Circulation</i> , 2005 , 111, 2662-70	16.7	60
56	Genetic deletion of the p66Shc adaptor protein protects from angiotensin II-induced myocardial damage. <i>Hypertension</i> , 2005 , 46, 433-40	8.5	91
55	In search of the best candidate for regeneration of ischemic tissues: are embryonic/fetal stem cells more advantageous than adult counterparts?. <i>Thrombosis and Haemostasis</i> , 2005 , 94, 738-49	7	5

54	Transplantation of low dose CD34+KDR+ cells promotes vascular and muscular regeneration in ischemic limbs. <i>FASEB Journal</i> , 2004 , 18, 1737-9	0.9	116
53	Akt/protein kinase B and endothelial nitric oxide synthase mediate muscular neovascularization induced by tissue kallikrein gene transfer. <i>Circulation</i> , 2004 , 110, 1638-44	16.7	46
52	Levels of human tissue kallikrein in the vitreous fluid of patients with severe proliferative diabetic retinopathy. <i>Ophthalmologica</i> , 2004 , 218, 260-3	3.7	11
51	Nitric oxide-releasing aspirin derivative, NCX 4016, promotes reparative angiogenesis and prevents apoptosis and oxidative stress in a mouse model of peripheral ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 2082-7	9.4	24
50	Circulating tissue kallikrein levels correlate with severity of carotid atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 1104-10	9.4	15
49	Prophylactic gene therapy with human tissue kallikrein ameliorates limb ischemia recovery in type 1 diabetic mice. <i>Diabetes</i> , 2004 , 53, 1096-103	0.9	41
48	Genetically engineered stem cell therapy for tissue regeneration. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1015, 271-84	6.5	49
47	Nerve growth factor promotes reparative angiogenesis and inhibits endothelial apoptosis in cutaneous wounds of Type 1 diabetic mice. <i>Diabetologia</i> , 2004 , 47, 1047-54	10.3	102
46	Nerve growth factor supplementation reverses the impairment, induced by Type 1 diabetes, of hindlimb post-ischaemic recovery in mice. <i>Diabetologia</i> , 2004 , 47, 1055-63	10.3	59
45	Cardiac hypertrophy and microvascular deficit in kinin B2 receptor knockout mice. <i>Hypertension</i> , 2003 , 41, 1151-5	8.5	58
44	Human tissue kallikrein: a new bullet for the treatment of ischemia. <i>Current Pharmaceutical Design</i> , 2003 , 9, 589-97	3.3	28
43	Paracrine control of vascularization and neurogenesis by neurotrophins. <i>British Journal of Pharmacology</i> , 2003 , 140, 614-9	8.6	46
42	Angiotensin AT(1) receptor signalling modulates reparative angiogenesis induced by limb ischaemia. <i>British Journal of Pharmacology</i> , 2002 , 135, 87-92	8.6	37
41	Targeting kinin B(1) receptor for therapeutic neovascularization. <i>Circulation</i> , 2002 , 105, 360-6	16.7	105
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1	In vivo characterisation of endogenous cardiovascular extracellular vesicles in larval and adult zebrafish		1

