

Gaia Spinetti

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.

91
papers

3,943
citations

35
h-index

62
g-index

107
ext. papers

4,492
ext. citations

7.7
avg, IF

4.87
L-index

#	Paper	IF	Citations
91	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
90	Proinflammatory profile within the grossly normal aged human aortic wall. <i>Hypertension</i> , 2007 , 50, 219-27.5	27.5	204
89	Matrix metalloproteinase 2 activation of transforming growth factor-beta1 (TGF-beta1) and TGF-beta1-type II receptor signaling within the aged arterial wall. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 1503-9	9.4	199
88	Diabetes mellitus induces bone marrow microangiopathy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 498-508	9.4	167
87	Analysis of the role of chemokines in angiogenesis. <i>Journal of Immunological Methods</i> , 2003 , 273, 83-101.5	12.5	161
86	Angiotensin II activates matrix metalloproteinase type II and mimics age-associated carotid arterial remodeling in young rats. <i>American Journal of Pathology</i> , 2005 , 167, 1429-42	5.8	153
85	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
84	Rat aortic MCP-1 and its receptor CCR2 increase with age and alter vascular smooth muscle cell function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 1397-402	9.4	149
83	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
82	Diabetes and vessel wall remodelling: from mechanistic insights to regenerative therapies. <i>Cardiovascular Research</i> , 2008 , 78, 265-73	9.9	110
81	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
80	Adenovirus-mediated VEGF(165) gene transfer enhances wound healing by promoting angiogenesis in CD1 diabetic mice. <i>Gene Therapy</i> , 2002 , 9, 1271-7	4	101
79	Identification of the CC chemokines TARC and macrophage inflammatory protein-1 beta as novel functional ligands for the CCR8 receptor. <i>European Journal of Immunology</i> , 1998 , 28, 582-8	6.1	98
78	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
77	Elevated mineralocorticoid receptor activity in aged rat vascular smooth muscle cells promotes a proinflammatory phenotype via extracellular signal-regulated kinase 1/2 mitogen-activated protein kinase and epidermal growth factor receptor-dependent pathways. <i>Hypertension</i> , 2010 , 55, 1476-83	8.5	88
76	Milk fat globule protein epidermal growth factor-8: a pivotal relay element within the angiotensin II and monocyte chemoattractant protein-1 signaling cascade mediating vascular smooth muscle cells invasion. <i>Circulation Research</i> , 2009 , 104, 1337-46	15.7	80
75	I-309 binds to and activates endothelial cell functions and acts as an angiogenic molecule in vivo. <i>Blood</i> , 2000 , 96, 4039-4045	2.2	80

74	Increased aortic calpain-1 activity mediates age-associated angiotensin II signaling of vascular smooth muscle cells. <i>PLoS ONE</i> , 2008 , 3, e2231	3.7	79
73	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
72	3D hydrogel environment rejuvenates aged pericytes for skeletal muscle tissue engineering. <i>Frontiers in Physiology</i> , 2014 , 5, 203	4.6	77
71	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
70	Genetic Analysis Reveals a Longevity-Associated Protein Modulating Endothelial Function and Angiogenesis. <i>Circulation Research</i> , 2015 , 117, 333-45	15.7	61
69	A unique plasma microRNA profile defines type 2 diabetes progression. <i>PLoS ONE</i> , 2017 , 12, e0188980	3.7	56
68	Oxidative Stress in Mesenchymal Stem Cell Senescence: Regulation by Coding and Noncoding RNAs. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 864-879	8.4	47
67	Molecular cloning of TER1, a chemokine receptor-like gene expressed by lymphoid tissues. <i>Journal of Immunology</i> , 1996 , 157, 2759-63	5.3	47
66	Contribution of pericyte paracrine regulation of the endothelium to angiogenesis. <i>Pharmacology & Therapeutics</i> , 2017 , 171, 56-64	13.9	44
65	A local proinflammatory signalling loop facilitates adverse age-associated arterial remodeling. <i>PLoS ONE</i> , 2011 , 6, e16653	3.7	43
64	Laminar shear stress inhibits CXCR4 expression on endothelial cells: functional consequences for atherogenesis. <i>FASEB Journal</i> , 2005 , 19, 629-31	0.9	41
63	Circulating microRNA-21 is an early predictor of ROS-mediated damage in subjects with high risk of developing diabetes and in drug-naïve T2D. <i>Cardiovascular Diabetology</i> , 2019 , 18, 18	8.7	40
62	Tissue kallikrein is essential for invasive capacity of circulating proangiogenic cells. <i>Circulation Research</i> , 2011 , 108, 284-93	15.7	39
61	The chemokine receptor CCR8 mediates rescue from dexamethasone-induced apoptosis via an ERK-dependent pathway. <i>Journal of Leukocyte Biology</i> , 2003 , 73, 201-7	6.5	39
60	Central role of the p53 pathway in the noncoding-RNA response to oxidative stress. <i>Aging</i> , 2017 , 9, 2559-2586	5.2	39
59	The chemokine CXCL13 (BCA-1) inhibits FGF-2 effects on endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 289, 19-24	3.4	38
58	Targeting stem cell niches and trafficking for cardiovascular therapy. <i>Pharmacology & Therapeutics</i> , 2011 , 129, 62-81	13.9	37
57	MCP-1 Feedback Loop Between Adipocytes and Mesenchymal Stromal Cells Causes Fat Accumulation and Contributes to Hematopoietic Stem Cell Rarefaction in the Bone Marrow of Patients With Diabetes. <i>Diabetes</i> , 2018 , 67, 1380-1394	0.9	36

56	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
55	Activation of the Pro-Oxidant PKC β -p66Shc Signaling Pathway Contributes to Pericyte Dysfunction in Skeletal Muscles of Patients With Diabetes With Critical Limb Ischemia. <i>Diabetes</i> , 2016 , 65, 3691-3704	0.9	35
54	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
53	I-309 binds to and activates endothelial cell functions and acts as an angiogenic molecule in vivo. <i>Blood</i> , 2000 , 96, 4039-45	2.2	30
52	Overexpression of miR-210 and its significance in ischemic tissue damage. <i>Scientific Reports</i> , 2017 , 7, 9563	4.9	28
51	The equine herpesvirus 2 E1 open reading frame encodes a functional chemokine receptor. <i>Journal of Virology</i> , 1999 , 73, 9843-8	6.6	27
50	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
49	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
48	Increased antioxidant defense mechanism in human adventitia-derived progenitor cells is associated with therapeutic benefit in ischemia. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1591-604	8.4	26
47	Migratory activity of circulating progenitor cells and serum SDF-1 β predict adverse events in patients with myocardial infarction. <i>Cardiovascular Research</i> , 2013 , 100, 192-200	9.9	25
46	The expression of the BPIFB4 and CXCR4 associates with sustained health in long-living individuals from Cilento-Italy. <i>Aging</i> , 2017 , 9, 370-380	5.6	23
45	High-level expression of a recombinant active microbial transglutaminase in Escherichia coli. <i>BMC Biotechnology</i> , 2015 , 15, 84	3.5	20
44	Impaired Regeneration Contributes to Poor Outcomes in Diabetic Peripheral Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 34-44	9.4	19
43	Design, fabrication and perivascular implantation of bioactive scaffolds engineered with human adventitial progenitor cells for stimulation of arteriogenesis in peripheral ischemia. <i>Biofabrication</i> , 2016 , 8, 015020	10.5	18
42	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
41	Reactive oxygen species adversely impacts bone marrow microenvironment in diabetes. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1620-33	8.4	18
40	MicroRNA-532-5p Regulates Pericyte Function by Targeting the Transcription Regulator BACH1 and Angiopoietin-1. <i>Molecular Therapy</i> , 2018 , 26, 2823-2837	11.7	18
39	Preclinical and clinical phase I studies of a new recombinant Filgrastim (BK0023) in comparison with Neupogen \square . <i>BMC Pharmacology & Toxicology</i> , 2014 , 15, 7	2.6	17

38	Nitric oxide-donating statin improves multiple functions of circulating angiogenic cells. <i>British Journal of Pharmacology</i> , 2011 , 164, 570-83	8.6	17
37	Bone marrow pericyte dysfunction in individuals with type 2 diabetes. <i>Diabetologia</i> , 2019 , 62, 1275-1290	10.3	15
36	What's new in regenerative medicine: split up of the mesenchymal stem cell family promises new hope for cardiovascular repair. <i>Journal of Cardiovascular Translational Research</i> , 2012 , 5, 689-99	3.3	15
35	Transfer of a human gene variant associated with exceptional longevity improves cardiac function in obese type 2 diabetic mice through induction of the SDF-1/CXCR4 signalling pathway. <i>European Journal of Heart Failure</i> , 2020 , 22, 1568-1581	12.3	13
34	MicroRNA-21/PDCD4 Proapoptotic Signaling From Circulating CD34 Cells to Vascular Endothelial Cells: A Potential Contributor to Adverse Cardiovascular Outcomes in Patients With Critical Limb Ischemia. <i>Diabetes Care</i> , 2020 , 43, 1520-1529	14.6	10
33	Coronary artery mechanics induces human saphenous vein remodelling recruitment of adventitial myofibroblast-like cells mediated by Thrombospondin-1. <i>Theranostics</i> , 2020 , 10, 2597-2611	12.1	10
32	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
31	Microfluidic Synthesis of Hybrid TiO-Anisotropic Gold Nanoparticles with Visible and Near-Infrared Activity. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38522-38529	9.5	10
30	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
29	Role of human tissue kallikrein in gastrointestinal stromal tumour invasion. <i>British Journal of Cancer</i> , 2010 , 103, 1422-31	8.7	9
28	Dimethyl-2-oxoglutarate improves redox balance and mitochondrial function in muscle pericytes of individuals with diabetes mellitus. <i>Diabetologia</i> , 2020 , 63, 2205-2217	10.3	7
27	MicroRNAs orchestrating senescence of endothelial and vascular smooth muscle cells. <i>Vascular Biology (Bristol, England)</i> , 2019 , 1, H75-H81	2.9	6
26	Bone marrow fat: friend or foe in people with diabetes mellitus?. <i>Clinical Science</i> , 2020 , 134, 1031-1048	6.5	6
25	Bone marrow as a target and accomplice of vascular complications in diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2020 , 36 Suppl 1, e3240	7.5	6
24	Role of TPBG (Trophoblast Glycoprotein) Antigen in Human Pericyte Migratory and Angiogenic Activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1113-1124	9.4	5
23	Circulating MicroRNA-15a Associates With Retinal Damage in Patients With Early Stage Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2020 , 11, 254	5.7	5
22	Targeting fibrosis in the failing heart with nanoparticles. <i>Advanced Drug Delivery Reviews</i> , 2021 , 174, 461-481	18.5	5
21	Multi-Omics Analysis of Diabetic Heart Disease in the Model Reveals Potential Targets for Treatment by a Longevity-Associated Gene. <i>Cells</i> , 2020 , 9,	7.9	4

20	The genetics of exceptional longevity identifies new druggable targets for vascular protection and repair. <i>Pharmacological Research</i> , 2016 , 114, 169-174	10.2	4
19	Enhancing Stem Cell Mobility: New Hope for Treatment of Cardiovascular Complications in Patients With Diabetes?. <i>Diabetes</i> , 2015 , 64, 2704-7	0.9	3
18	In vitro and in vivo models to study chemokine regulation of angiogenesis. <i>Methods in Molecular Biology</i> , 2004 , 239, 223-32	1.4	3
17	Activation of Bone Marrow Adaptive Immunity in Type 2 Diabetes: Rescue by Co-stimulation Modulator Abatacept. <i>Frontiers in Immunology</i> , 2021 , 12, 609406	8.4	3
16	Cell Therapy for Critical Limb Ischemia: Advantages, Limitations, and New Perspectives for Treatment of Patients with Critical Diabetic Vasculopathy. <i>Current Diabetes Reports</i> , 2021 , 21, 11	5.6	3
15	Personalized Cardiovascular Regenerative Medicine: Targeting the Extreme Stages of Life. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 177	5.4	3
14	Hematopoietic progenitor cell liabilities and alarmins S100A8/A9-related inflammaging associate with frailty and predict poor cardiovascular outcomes in older adults.. <i>Aging Cell</i> , 2022 , e13545	9.9	3
13	When a Friend Becomes Your Enemy: Natural Killer Cells in Atherosclerosis and Atherosclerosis-Associated Risk Factors.. <i>Frontiers in Immunology</i> , 2021 , 12, 798155	8.4	2
12	Recombinant filgrastim (BK0023) pharmacodynamics and pharmacokinetics after single and multiple escalating doses in an equivalence study in healthy men. <i>Clinical Drug Investigation</i> , 2015 , 35, 533-45	3.2	1
11	Close encounters of the third kind: progenitor cells land on the platelet-enriched vascular surface. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 243-4	9.4	1
10	I-309 binds to and activates endothelial cell functions and acts as an angiogenic molecule in vivo. <i>Blood</i> , 2000 , 96, 4039-4045	2.2	1
9	Activation of bone marrow adaptive immunity in type 2 diabetes: rescue by co-stimulation modulator Abatacept		1
8	Hypoxia-induced miR-210 modulates the inflammatory response and fibrosis upon acute ischemia. <i>Cell Death and Disease</i> , 2021 , 12, 435	9.8	1
7	Treatment of COVID-19 by stage: any space left for mesenchymal stem cell therapy?. <i>Regenerative Medicine</i> , 2021 , 16, 477-494	2.5	1
6	The Peter Principle in Cardiovascular Cell Therapy: The Decline of a Theory or the Theory of a Decline. <i>Circulation Research</i> , 2016 , 119, 1283-1285	15.7	1
5	Modulation of soluble receptor for advanced glycation end products isoforms and advanced glycation end products in long-living individuals. <i>Biomarkers in Medicine</i> , 2021 , 15, 785-796	2.3	0
4	MicroRNAs in Diabetes and Its Vascular Complications. <i>Cardiac and Vascular Biology</i> , 2017 , 39-59	0.2	
3	621-P: Cardiovascular Mortality and Orthostatic Hypotension in Type 2 Diabetic Patients (T2D) with Lower Limb Lesions Italian Diabetic Patients Association-Section of Treviso Project. <i>Diabetes</i> , 2019 , 68, 621-P	0.9	

- 2 Commentary: Mending a broken heart: The ongoing quest for mesenchymal stem cell therapy for ischemic cardiomyopathy. *JTCVS Open*, **2021**, 0.2
- 1 Adventitial and Skeletal Muscle Pericytes in Health and Ischemic Tissue Regeneration. *Pancreatic Islet Biology*, **2021**, 245-273 0.4