

Tae-Hwa Chun

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43
papers

3,098
citations

28
h-index

43
g-index

43
ext. papers

3,379
ext. citations

7.7
avg, IF

4.56
L-index

#	Paper	IF	Citations
43	Vascular endothelial growth factor (VEGF) expression in human coronary atherosclerotic lesions: possible pathophysiological significance of VEGF in progression of atherosclerosis. <i>Circulation</i> , 1998 , 98, 2108-16	16.7	389
42	A pericellular collagenase directs the 3-dimensional development of white adipose tissue. <i>Cell</i> , 2006 , 125, 577-91	56.2	305
41	MT1-MMP-dependent neovessel formation within the confines of the three-dimensional extracellular matrix. <i>Journal of Cell Biology</i> , 2004 , 167, 757-67	7.3	281
40	Inhibition of rho-associated kinase results in suppression of neointimal formation of balloon-injured arteries. <i>Circulation</i> , 2000 , 101, 2030-3	16.7	172
39	Shear stress augments expression of C-type natriuretic peptide and adrenomedullin. <i>Hypertension</i> , 1997 , 29, 1296-302	8.5	148
38	Significance and therapeutic potential of the natriuretic peptides/cGMP/cGMP-dependent protein kinase pathway in vascular regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3404-9	11.5	139
37	Oxidized LDL regulates vascular endothelial growth factor expression in human macrophages and endothelial cells through activation of peroxisome proliferator-activated receptor-gamma. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 560-6	9.4	137
36	Adipose extracellular matrix remodelling in obesity and insulin resistance. <i>Biochemical Pharmacology</i> , 2016 , 119, 8-16	6	117
35	Down regulation of peroxisome proliferator-activated receptor gamma expression by inflammatory cytokines and its reversal by thiazolidinediones. <i>Diabetologia</i> , 1999 , 42, 702-10	10.3	114
34	On being the right size: scaling effects in designing a human-on-a-chip. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 1149-61	3.7	107
33	MT1-matrix metalloproteinase directs arterial wall invasion and neointima formation by vascular smooth muscle cells. <i>Journal of Experimental Medicine</i> , 2005 , 202, 663-71	16.6	103
32	An MT1-MMP-PDGF receptor-beta axis regulates mural cell investment of the microvasculature. <i>Genes and Development</i> , 2005 , 19, 979-91	12.6	91
31	Thiazolidinediones, peroxisome proliferator-activated receptor gamma agonists, regulate endothelial cell growth and secretion of vasoactive peptides. <i>Atherosclerosis</i> , 2001 , 158, 113-9	3.1	90
30	Genetic link between obesity and MMP14-dependent adipogenic collagen turnover. <i>Diabetes</i> , 2010 , 59, 2484-94	0.9	68
29	C-type natriuretic peptide induces redifferentiation of vascular smooth muscle cells with accelerated reendothelialization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 930-6	9.4	67
28	Oxidative stress augments secretion of endothelium-derived relaxing peptides, C-type natriuretic peptide and adrenomedullin. <i>Journal of Hypertension</i> , 2000 , 18, 575-80	1.9	63
27	Peri-adipocyte ECM remodeling in obesity and adipose tissue fibrosis. <i>Adipocyte</i> , 2012 , 1, 89-95	3.2	62

26	cDNA cloning and gene expression of human type I alpha cGMP-dependent protein kinase. <i>Hypertension</i> , 1996 , 27, 552-7	8.5	57
25	Modification of GATA-2 transcriptional activity in endothelial cells by the SUMO E3 ligase PIASy. <i>Circulation Research</i> , 2003 , 92, 1201-8	15.7	53
24	Thrombospondin 1 mediates high-fat diet-induced muscle fibrosis and insulin resistance in male mice. <i>Endocrinology</i> , 2013 , 154, 4548-59	4.8	50
23	Thrombospondin 1 as a novel biological marker of obesity and metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2015 , 64, 1490-9	12.7	44
22	Effects of intravenously administered C-type natriuretic peptide in humans: comparison with atrial natriuretic peptide. <i>Hypertension Research</i> , 1998 , 21, 7-13	4.7	40
21	Therapeutic potential of thiazolidinediones in activation of peroxisome proliferator-activated receptor gamma for monocyte recruitment and endothelial regeneration. <i>European Journal of Pharmacology</i> , 2005 , 508, 255-65	5.3	36
20	HIF2A-LOX Pathway Promotes Fibrotic Tissue Remodeling in Thyroid-Associated Orbitopathy. <i>Endocrinology</i> , 2019 , 160, 20-35	4.8	36
19	Regulation of endothelial production of C-type natriuretic peptide by interaction between endothelial cells and macrophages. <i>Endocrinology</i> , 1998 , 139, 1920-6	4.8	34
18	Vascular endothelial growth factor suppresses C-type natriuretic peptide secretion. <i>Hypertension</i> , 1996 , 27, 811-5	8.5	34
17	Opposite regulation of Gata homeobox expression by angiotensin II and C-type natriuretic peptide. <i>Hypertension</i> , 1997 , 29, 381-7	8.5	32
16	Physiologic shear stress suppresses endothelin-converting enzyme-1 expression in vascular endothelial cells. <i>Journal of Cardiovascular Pharmacology</i> , 1998 , 31 Suppl 1, S42-5	3.1	29
15	Coordinate regulation of endothelin and adrenomedullin secretion by oxidative stress in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H1364-71	5.2	28
14	Adenovirus-mediated gene transfer of C-type natriuretic peptide causes G1 growth inhibition of cultured vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 239, 889-94	3.4	24
13	Fibro-Adipogenic Remodeling of the Diaphragm in Obesity-Associated Respiratory Dysfunction. <i>Diabetes</i> , 2019 , 68, 45-56	0.9	23
12	Fat depot-specific gene signature and ECM remodeling of Sca1(high) adipose-derived stem cells. <i>Matrix Biology</i> , 2014 , 36, 28-38	11.4	21
11	Adipogenic histone mark regulation by matrix metalloproteinase 14 in collagen-rich microenvironments. <i>Molecular Endocrinology</i> , 2011 , 25, 745-53		17
10	Significance of vascular natriuretic peptide system in vascular remodeling in humans and its application to gene therapy. <i>Annals of the New York Academy of Sciences</i> , 1997 , 811, 533-41	6.5	16
9	3-D adipocyte differentiation and peri-adipocyte collagen turnover. <i>Methods in Enzymology</i> , 2014 , 538, 15-34	1.7	13

8	Altered gene expression of uncoupling protein-2 and -3 in stroke-prone spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2000 , 18, 1233-8	1.9	13
7	Transcription factor 21 (TCF21) promotes proinflammatory interleukin 6 expression and extracellular matrix remodeling in visceral adipose stem cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 6603-6610	5.4	12
6	Membrane-Tethered Metalloproteinase Expressed by Vascular Smooth Muscle Cells Limits the Progression of Proliferative Atherosclerotic Lesions. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	10
5	Angiotensin II suppresses growth arrest specific homeobox (Gax) expression via redox-sensitive mitogen-activated protein kinase (MAPK). <i>Regulatory Peptides</i> , 2005 , 127, 159-67		10
4	The exocyst complex regulates free fatty acid uptake by adipocytes. <i>PLoS ONE</i> , 2015 , 10, e0120289	3.7	7
3	Designing 3-D Adipospheres for Quantitative Metabolic Study. <i>Methods in Molecular Biology</i> , 2017 , 1566, 177-183	1.4	4
2	Immunomagnetic Separation of Fat Depot-specific Sca1high Adipose-derived Stem Cells (ASCs). <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	1
1	Cellular and Molecular Aspects of C-Type Natriuretic Peptide (CNP) 1997 , 107-122		1