Ann Canfield

List of Publications by Year
in descending order

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51 papers	3,786 citations	147566 31 h-index	197535 49 g-index
52 all docs	52 docs citations	52 times ranked	4638 citing authors

#	Article	IF	Citations
1	Vascular Pericytes Express Osteogenic Potential In Vitro and In Vivo. Journal of Bone and Mineral Research, 1998, 13, 828-838.	3.1	497
2	Chondrogenic and Adipogenic Potential of Microvascular Pericytes. Circulation, 2004, 110, 2226-2232.	1.6	433
3	1Î±,25-Dihydroxyvitamin D ₃ Inhibits Angiogenesis In Vitro and In Vivo. Circulation Research, 2000, 87, 214-220.	2.0	421
4	Angiogenesis and Pericytes in the Initiation of Ectopic Calcification. Circulation Research, 2005, 96, 930-938.	2.0	233
5	Calcification is associated with loss of functional calcium-sensing receptor in vascular smooth muscle cells. Cardiovascular Research, 2009, 81, 260-268.	1.8	179
6	Arterial Klotho Expression and FGF23 Effects on Vascular Calcification and Function. PLoS ONE, 2013, 8, e60658.	1.1	123
7	A novel hyaluronan-based biomaterial (Hyaff-11Â®) as a scaffold for endothelial cells in tissue engineered vascular grafts. Biomaterials, 2004, 25, 5955-5964.	5.7	114
8	Alternative Splicing in the Aggrecan G3 Domain Influences Binding Interactions with Tenascin-C and Other Extracellular Matrix Proteins. Journal of Biological Chemistry, 2004, 279, 12511-12518.	1.6	107
9	Gene Expression during Vascular Pericyte Differentiation. Critical Reviews in Eukaryotic Gene Expression, 1999, 9, 1-17.	0.4	105
10	Wnt/Î²-Catenin Signaling Stimulates Chondrogenic and Inhibits Adipogenic Differentiation of Pericytes. Circulation Research, 2007, 101, 581-589.	2.0	103
11	The involvement of matrix glycoproteins in vascular calcification and fibrosis: an immunohistochemical study. Journal of Pathology, 2002, 196, 228-234.	2.1	102
12	Dexamethasone Downregulates Calcification-Inhibitor Molecules and Accelerates Osteogenic Differentiation of Vascular Pericytes. Circulation Research, 2006, 98, 1264-1272.	2.0	84
13	Receptor Tyrosine Kinase Axl Modulates the Osteogenic Differentiation of Pericytes. Circulation Research, 2003, 92, 1123-1129.	2.0	82
14	Role of pericytes in vascular calcification: a review. Clinical Research in Cardiology, 2000, 89, S020-S027.	1.2	77
15	Axl/Phosphatidylinositol 3-Kinase Signaling Inhibits Mineral Deposition by Vascular Smooth Muscle Cells. Circulation Research, 2007, 100, 502-509.	2.0	77
16	HtrA1 Inhibits Mineral Deposition by Osteoblasts. Journal of Biological Chemistry, 2008, 283, 5928-5938.	1.6	67
17	The role of endothelial cell attachment to elastic fibre molecules in the enhancement of monolayer formation and retention, and the inhibition of smooth muscle cell recruitment. Biomaterials, 2007, 28, 5307-5318.	5.7	63
18	Chondrogenic ATDC5 cells: An optimised model for rapid and physiological matrix mineralisation. International Journal of Molecular Medicine, 2012, 30, 1187-1193.	1.8	63

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19	Hepatocyte growth factor and c-Met expression in pericytes: implications for atherosclerotic plaque development. Journal of Pathology, 2007, 212, 12-19.	2.1	54
20	The Ribosomal Protein QM Is Expressed Differentially During Vertebrate Endochondral Bone Development. Journal of Bone and Mineral Research, 2000, 15, 1066-1075.	3.1	50
21	The biosynthesis of extracellular-matrix components by bovine retinal endothelial cells displaying distinctive morphological phenotypes. Biochemical Journal, 1986, 235, 375-383.	1.7	47
22	HtrA1: a novel regulator of physiological and pathological matrix mineralization?. Biochemical Society Transactions, 2007, 35, 669-671.	1.6	47
23	Thrombospondin gene expression by endothelial cells in culture is modulated by cell proliferation, cell shape and the substratum. Biochemical Journal, 1990, 268, 225-230.	1.7	45
24	Cyclic stretch-induced TGFÎ²1/Smad signaling inhibits adipogenesis in umbilical cord progenitor cells. Biochemical and Biophysical Research Communications, 2008, 377, 1147-1151.	1.0	44
25	Matrix Gla protein is differentially expressed during the deposition of a calcified matrix by vascular pericytes. FEBS Letters, 2000, 487, 267-271.	1.3	42
26	Alternative Splicing Determines the Domain Structure of WWP1, a Nedd4 Family Protein. Biochemical and Biophysical Research Communications, 2002, 290, 431-437.	1.0	40
27	Comparative Quantification of the Surfaceome of Human Multipotent Mesenchymal Progenitor Cells. Stem Cell Reports, 2015, 4, 473-488.	2.3	40
28	Plasminogen activator inhibitor-type I is a major biosynthetic product of retinal microvascular endothelial cells and pericytes in culture. Biochemical Journal, 1989, 259, 529-535.	1.7	37
29	Differentiation of pericytes in culture is accompanied by changes in the extracellular matrix. In Vitro Cellular & Developmental Biology, 1991, 27, 651-659.	1.0	32
30	Contribution of VCAF-positive cells to neovascularization and calcification in atherosclerotic plaque development. Journal of Pathology, 2007, 211, 362-369.	2.1	32
31	HGF/c-Met signalling promotes Notch3 activation and human vascular smooth muscle cell osteogenic differentiation in vitro. Atherosclerosis, 2011, 219, 440-447.	0.4	32
32	FTI-277 inhibits smooth muscle cell calcification by up-regulating PI3K/Akt signaling and inhibiting apoptosis. PLoS ONE, 2018, 13, e0196232.	1.1	32
33	Regulation of vascular smooth muscle cell calcification by syndecan-4/FGF-2/PKCÎ± signalling and cross-talk with TGFÎ². Cardiovascular Research, 2017, 113, 1639-1652.	1.8	31
34	Î±2(VIII) Collagen Substrata Enhance Endothelial Cell Retention Under Acute Shear Stress Flow via an Î±2Î²1Integrinâ€“Dependent Mechanism. Circulation, 2006, 114, 820-829.	1.6	27
35	Identification and Characterization of Vascular Calcificationâ€“Associated Factor, a Novel Gene Upregulated During Vascular Calcification In Vitro and In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1851-1857.	1.1	23
36	Upregulation of collagen VIII following porcine coronary artery angioplasty is related to smooth muscle cell migration not angiogenesis. International Journal of Experimental Pathology, 2008, 82, 295-302.	0.6	23

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37	Mesenchymal Stromal Cells: Inhibiting PDGF Receptors or Depleting Fibronectin Induces Mesodermal Progenitors with Endothelial Potential. Stem Cells, 2014, 32, 694-705.	1.4	23
38	Apposite Insulin-like Growth Factor (IGF) Receptor Glycosylation Is Critical to the Maintenance of Vascular Smooth Muscle Phenotype in the Presence of Factors Promoting Osteogenic Differentiation and Mineralization. Journal of Biological Chemistry, 2011, 286, 16623-16630.	1.6	22
39	Axl Tyrosine Kinase Protects against Tubulo-Interstitial Apoptosis and Progression of Renal Failure in a Murine Model of Chronic Kidney Disease and Hyperphosphataemia. PLoS ONE, 2014, 9, e102096.	1.1	21
40	Molecular structure of heparan sulphate synthesised by bovine aortic endothelial cells. Biochimica Et Biophysica Acta - General Subjects, 1995, 1244, 104-112.	1.1	19
41	Sphingosine 1-phosphate activation of ERM contributes to vascular calcification. Journal of Lipid Research, 2018, 59, 69-78.	2.0	13
42	X-ray Micro-Computed Tomography: An Emerging Technology to Analyze Vascular Calcification in Animal Models. International Journal of Molecular Sciences, 2020, 21, 4538.	1.8	12
43	Osteogenic potential of vascular pericytes. , 1998, , 128-148.		11
44	The behaviour of pericytes in vitro: relevance to angiogenesis and differentiation. Exs, 1992, 61, 167-178.	1.4	11
45	Identification and partial characterisation of a lowMrcollagen synthesised by bovine retinal pericytes Apparent relationship to type X collagen. FEBS Letters, 1991, 286, 171-175.	1.3	10
46	alpha- and beta-xylosides modulate the syunthesis of fibronectin and thrombospondin-1 by endothelial cells. Biochimica Et Biophysica Acta - General Subjects, 1994, 1200, 249-258.	1.1	10
47	Identification and partial characterization of two major proteins of Mr 47,000 synthesized by bovine retinal endothelial cells in culture. Biochemical Journal, 1987, 246, 121-129.	1.7	9
48	Heterogeneity in collagen biosynthesis by sprouting retinal endothelial cells. Journal of Cellular Physiology, 1994, 159, 19-28.	2.0	7
49	10 Identification of genes expressed during the osteogenic differentiation of vascular pericytes in vitro. Biochemical Society Transactions, 1998, 26, S4-S4.	1.6	6
50	9 The expression of cartilage oligomeric matrix protein, thrombospondin-1, bone sialoprotein and osteopontin in calcified and non-calcified arterial lesions. Biochemical Society Transactions, 1998, 26, S3-S3.	1.6	4
51	Pericytes: Adaptable Vascular Progenitors. , 2012, , 3-15.		0