

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	X-ray Micro-Computed Tomography: An Emerging Technology to Analyze Vascular Calcification in Animal Models. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4538.	1.8	12
2	Sphingosine 1-phosphate activation of ERM contributes to vascular calcification. <i>Journal of Lipid Research</i> , 2018, 59, 69-78.	2.0	13
3	FTI-277 inhibits smooth muscle cell calcification by up-regulating PI3K/Akt signaling and inhibiting apoptosis. <i>PLoS ONE</i> , 2018, 13, e0196232.	1.1	32
4	Regulation of vascular smooth muscle cell calcification by syndecan-4/FGF-2/PKC β signalling and cross-talk with TGF β 2. <i>Cardiovascular Research</i> , 2017, 113, 1639-1652.	1.8	31
5	Comparative Quantification of the Surfaceome of Human Multipotent Mesenchymal Progenitor Cells. <i>Stem Cell Reports</i> , 2015, 4, 473-488.	2.3	40
6	Mesenchymal Stromal Cells: Inhibiting PDGF Receptors or Depleting Fibronectin Induces Mesodermal Progenitors with Endothelial Potential. <i>Stem Cells</i> , 2014, 32, 694-705.	1.4	23
7	Axl Tyrosine Kinase Protects against Tubulo-Interstitial Apoptosis and Progression of Renal Failure in a Murine Model of Chronic Kidney Disease and Hyperphosphataemia. <i>PLoS ONE</i> , 2014, 9, e102096.	1.1	21
8	Arterial Klotho Expression and FGF23 Effects on Vascular Calcification and Function. <i>PLoS ONE</i> , 2013, 8, e60658.	1.1	123
9	Chondrogenic ATDC5 cells: An optimised model for rapid and physiological matrix mineralisation. <i>International Journal of Molecular Medicine</i> , 2012, 30, 1187-1193.	1.8	63
10	Pericytes: Adaptable Vascular Progenitors. , 2012, , 3-15.		0
11	HGF/c-Met signalling promotes Notch3 activation and human vascular smooth muscle cell osteogenic differentiation in vitro. <i>Atherosclerosis</i> , 2011, 219, 440-447.	0.4	32
12	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. <i>Journal of Biological Chemistry</i> , 2011, 286, 16623-16630.	1.6	22
13	Calcification is associated with loss of functional calcium-sensing receptor in vascular smooth muscle cells. <i>Cardiovascular Research</i> , 2009, 81, 260-268.	1.8	179
14	Upregulation of collagen VIII following porcine coronary artery angioplasty is related to smooth muscle cell migration not angiogenesis. <i>International Journal of Experimental Pathology</i> , 2008, 82, 295-302.	0.6	23
15	Cyclic stretch-induced TGF β 2/Smad signaling inhibits adipogenesis in umbilical cord progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 1147-1151.	1.0	44
16	HtrA1 Inhibits Mineral Deposition by Osteoblasts. <i>Journal of Biological Chemistry</i> , 2008, 283, 5928-5938.	1.6	67
17	Axl/Phosphatidylinositol 3-Kinase Signaling Inhibits Mineral Deposition by Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2007, 100, 502-509.	2.0	77
18	Wnt/ β -Catenin Signaling Stimulates Chondrogenic and Inhibits Adipogenic Differentiation of Pericytes. <i>Circulation Research</i> , 2007, 101, 581-589.	2.0	103

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19	HtrA1: a novel regulator of physiological and pathological matrix mineralization?. <i>Biochemical Society Transactions</i> , 2007, 35, 669-671.	1.6	47
20	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. <i>Biomaterials</i> , 2007, 28, 5307-5318.	5.7	63
21	Contribution of VCAF-positive cells to neovascularization and calcification in atherosclerotic plaque development. <i>Journal of Pathology</i> , 2007, 211, 362-369.	2.1	32
22	Hepatocyte growth factor and c-Met expression in pericytes: implications for atherosclerotic plaque development. <i>Journal of Pathology</i> , 2007, 212, 12-19.	2.1	54
23	Dexamethasone Downregulates Calcification-Inhibitor Molecules and Accelerates Osteogenic Differentiation of Vascular Pericytes. <i>Circulation Research</i> , 2006, 98, 1264-1272.	2.0	84
24	$\alpha 2(\text{VIII})$ Collagen Substrata Enhance Endothelial Cell Retention Under Acute Shear Stress Flow via an $\alpha 2(\text{I})$ Integrin-Dependent Mechanism. <i>Circulation</i> , 2006, 114, 820-829.	1.6	27
25	Identification and Characterization of Vascular Calcification-Associated Factor, a Novel Gene Upregulated During Vascular Calcification In Vitro and In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1851-1857.	1.1	23
26	Angiogenesis and Pericytes in the Initiation of Ectopic Calcification. <i>Circulation Research</i> , 2005, 96, 930-938.	2.0	233
27	Chondrogenic and Adipogenic Potential of Microvascular Pericytes. <i>Circulation</i> , 2004, 110, 2226-2232.	1.6	433
28	Alternative Splicing in the Aggrecan G3 Domain Influences Binding Interactions with Tenascin-C and Other Extracellular Matrix Proteins. <i>Journal of Biological Chemistry</i> , 2004, 279, 12511-12518.	1.6	107
29	A novel hyaluronan-based biomaterial (Hyaff-11 [®]) as a scaffold for endothelial cells in tissue engineered vascular grafts. <i>Biomaterials</i> , 2004, 25, 5955-5964.	5.7	114
30	Receptor Tyrosine Kinase Axl Modulates the Osteogenic Differentiation of Pericytes. <i>Circulation Research</i> , 2003, 92, 1123-1129.	2.0	82
31	Alternative Splicing Determines the Domain Structure of WWP1, a Nedd4 Family Protein. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 431-437.	1.0	40
32	The involvement of matrix glycoproteins in vascular calcification and fibrosis: an immunohistochemical study. <i>Journal of Pathology</i> , 2002, 196, 228-234.	2.1	102
33	The Ribosomal Protein QM Is Expressed Differentially During Vertebrate Endochondral Bone Development. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1066-1075.	3.1	50
34	Role of pericytes in vascular calcification: a review. <i>Clinical Research in Cardiology</i> , 2000, 89, S020-S027.	1.2	77
35	$1,25\text{-Dihydroxyvitamin D}_3$ Inhibits Angiogenesis In Vitro and In Vivo. <i>Circulation Research</i> , 2000, 87, 214-220.	2.0	421
36	Matrix Gla protein is differentially expressed during the deposition of a calcified matrix by vascular pericytes. <i>FEBS Letters</i> , 2000, 487, 267-271.	1.3	42

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37	Gene Expression during Vascular Pericyte Differentiation. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 1999, 9, 1-17.	0.4	105
38	Vascular Pericytes Express Osteogenic Potential In Vitro and In Vivo. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 828-838.	3.1	497
39	9 The expression of cartilage oligomeric matrix protein, thrombospondin-1, bone sialoprotein and osteopontin in calcified and non-calcified arterial lesions. <i>Biochemical Society Transactions</i> , 1998, 26, S3-S3.	1.6	4
40	10 Identification of genes expressed during the osteogenic differentiation of vascular pericytes in vitro. <i>Biochemical Society Transactions</i> , 1998, 26, S4-S4.	1.6	6
41	Osteogenic potential of vascular pericytes. , 1998, , 128-148.		11
42	Molecular structure of heparan sulphate synthesised by bovine aortic endothelial cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1244, 104-112.	1.1	19
43	Heterogeneity in collagen biosynthesis by sprouting retinal endothelial cells. <i>Journal of Cellular Physiology</i> , 1994, 159, 19-28.	2.0	7
44	alpha- and beta-xylosides modulate the synthesis of fibronectin and thrombospondin-1 by endothelial cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994, 1200, 249-258.	1.1	10
45	The behaviour of pericytes in vitro: relevance to angiogenesis and differentiation. <i>Exs</i> , 1992, 61, 167-178.	1.4	11
46	Identification and partial characterisation of a lowMr collagen synthesised by bovine retinal pericytes Apparent relationship to type X collagen. <i>FEBS Letters</i> , 1991, 286, 171-175.	1.3	10
47	Differentiation of pericytes in culture is accompanied by changes in the extracellular matrix. <i>In Vitro Cellular & Developmental Biology</i> , 1991, 27, 651-659.	1.0	32
48	Thrombospondin gene expression by endothelial cells in culture is modulated by cell proliferation, cell shape and the substratum. <i>Biochemical Journal</i> , 1990, 268, 225-230.	1.7	45
49	Plasminogen activator inhibitor-type I is a major biosynthetic product of retinal microvascular endothelial cells and pericytes in culture. <i>Biochemical Journal</i> , 1989, 259, 529-535.	1.7	37
50	Identification and partial characterization of two major proteins of Mr 47,000 synthesized by bovine retinal endothelial cells in culture. <i>Biochemical Journal</i> , 1987, 246, 121-129.	1.7	9
51	The biosynthesis of extracellular-matrix components by bovine retinal endothelial cells displaying distinctive morphological phenotypes. <i>Biochemical Journal</i> , 1986, 235, 375-383.	1.7	47