Yin Tintut

List of Publications by Year
in descending order

86 papers	8,237 citations	101543 36 h-index	62596 80 g-index
86 all docs	86 docs citations	86 times ranked	7982 citing authors

#	Article	IF	Citations
1	Vascular Calcification. Circulation, 2008, 117, 2938-2948.	1.6	876
2	Vascular Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1161-1170.	2.4	797
3	Tumor Necrosis Factor-Î± Promotes In Vitro Calcification of Vascular Cells via the cAMP Pathway. Circulation, 2000, 102, 2636-2642.	1.6	592
4	Lipid Oxidation Products Have Opposite Effects on Calcifying Vascular Cell and Bone Cell Differentiation. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 680-687.	2.4	561
5	Regulatory mechanisms in vascular calcification. Nature Reviews Cardiology, 2010, 7, 528-536.	13.7	476
6	Multilineage Potential of Cells From the Artery Wall. Circulation, 2003, 108, 2505-2510.	1.6	336
7	Monocyte/Macrophage Regulation of Vascular Calcification In Vitro. Circulation, 2002, 105, 650-655.	1.6	306
8	Leptin Enhances the Calcification of Vascular Cells. Circulation Research, 2001, 88, 954-960.	4.5	291
9	Inflammatory, Metabolic, and Genetic Mechanisms of Vascular Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 715-723.	2.4	275
10	Atherogenic High-Fat Diet Reduces Bone Mineralization in Mice. Journal of Bone and Mineral Research, 2001, 16, 182-188.	2.8	255
11	Osteoprotegerin Inhibits Vascular Calcification Without Affecting Atherosclerosis in <i> ldlr ^(âˆ’/âˆ’) </i> Mice. Circulation, 2008, 117, 411-420.	1.6	228
12	Atherogenic Diet and Minimally Oxidized Low Density Lipoprotein Inhibit Osteogenic and Promote Adipogenic Differentiation of Marrow Stromal Cells. Journal of Bone and Mineral Research, 1999, 14, 2067-2078.	2.8	223
13	High-Density Lipoprotein Regulates Calcification of Vascular Cells. Circulation Research, 2002, 91, 570-576.	4.5	183
14	Hyperphosphatemia-induced nanocrystals upregulate the expression of bone morphogenetic protein-2 and osteopontin genes in mouse smooth muscle cells in vitro. Kidney International, 2011, 79, 414-422.	5.2	183
15	Hyperlipidemia Promotes Osteoclastic Potential of Bone Marrow Cells Ex Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, e6-10.	2.4	163
16	cAMP Stimulates Osteoblast-like Differentiation of Calcifying Vascular Cells. Journal of Biological Chemistry, 1998, 273, 7547-7553.	3.4	156
17	Runx2-Upregulated Receptor Activator of Nuclear Factor ÎºB Ligand in Calcifying Smooth Muscle Cells Promotes Migration and Osteoclastic Differentiation of Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1387-1396.	2.4	145
18	Inhibition of Osteoblast-specific Transcription Factor Cbfa1 by the cAMP Pathway in Osteoblastic Cells. Journal of Biological Chemistry, 1999, 274, 28875-28879.	3.4	133

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19	Pattern formation by vascular mesenchymal cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9247-9250.	7.1	127
20	8-Isoprostaglandin E2 Enhances Receptor-activated NFÎºB Ligand (RANKL)-dependent Osteoclastic Potential of Marrow Hematopoietic Precursors via the cAMP Pathway. Journal of Biological Chemistry, 2002, 277, 14221-14226.	3.4	120
21	Left-Right Symmetry Breaking in Tissue Morphogenesis via Cytoskeletal Mechanics. Circulation Research, 2012, 110, 551-559.	4.5	109
22	Mechanical stress analysis of a rigid inclusion in distensible material: a model of atherosclerotic calcification and plaque vulnerability. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H802-H810.	3.2	97
23	Adverse effects of hyperlipidemia on bone regeneration and strength. Journal of Bone and Mineral Research, 2012, 27, 309-318.	2.8	93
24	Hyperlipidemia induces resistance to PTH bone anabolism in mice via oxidized lipids. Journal of Bone and Mineral Research, 2011, 26, 1197-1206.	2.8	76
25	Oxidized lipids enhance RANKL production by T lymphocytes: Implications for lipid-induced bone loss. Clinical Immunology, 2009, 133, 265-275.	3.2	72
26	The Roles of Lipid Oxidation Products and Receptor Activator of Nuclear Factor-Îº B Signaling in Atherosclerotic Calcification. Circulation Research, 2011, 108, 1482-1493.	4.5	68
27	Effects of bioactive lipids and lipoproteins on bone. Trends in Endocrinology and Metabolism, 2014, 25, 53-59.	7.1	64
28	Steroid Hormone Vitamin D. Circulation Research, 2018, 122, 1576-1585.	4.5	61
29	Phosphate and pyrophosphate mediate PKA-induced vascular cell calcification. Biochemical and Biophysical Research Communications, 2008, 374, 553-558.	2.1	54
30	Vitamin D and Osteogenic Differentiation in the Artery Wall. Clinical Journal of the American Society of Nephrology: CJASN, 2008, 3, 1542-1547.	4.5	47
31	Bone density and hyperlipidemia: The T-lymphocyte connection. Journal of Bone and Mineral Research, 2010, 25, 2460-2469.	2.8	47
32	FGF23 protein expression in coronary arteries is associated with impaired kidney function. Nephrology Dialysis Transplantation, 2014, 29, 1525-1532.	0.7	46
33	HOXB7 overexpression promotes differentiation of C3H10T1/2 cells to smooth muscle cells. Journal of Cellular Biochemistry, 2000, 78, 210-221.	2.6	44
34	Atherogenic Phospholipids Attenuate Osteogenic Signaling by BMP-2 and Parathyroid Hormone in Osteoblasts. Journal of Biological Chemistry, 2007, 282, 21237-21243.	3.4	43
35	Cell-matrix mechanics and pattern formation in inflammatory cardiovascular calcification. Heart, 2016, 102, 1710-1715.	2.9	43
36	Hyperlipidemia Impairs Osteoanabolic Effects of PTH. Journal of Bone and Mineral Research, 2008, 23, 1672-1679.	2.8	42

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37	The Effects of Hyperlipidemia on Implant Osseointegration in the Mouse Femur. Journal of Oral Implantology, 2015, 41, e7-e11.	1.0	41
38	Protective Role of Smad6 in Inflammationâ€Induced Valvular Cell Calcification. Journal of Cellular Biochemistry, 2015, 116, 2354-2364.	2.6	39
39	Role of Osteoprotegerin and Its Ligands and Competing Receptors in Atherosclerotic Calcification. Journal of Investigative Medicine, 2006, 54, 395-401.	1.6	37
40	Mechanisms linking osteoporosis with cardiovascular calcification. Current Osteoporosis Reports, 2009, 7, 42-46.	3.6	37
41	Mechanical Response of a Calcified Plaque Model to Fluid Shear Force. Annals of Biomedical Engineering, 2006, 34, 1535-1541.	2.5	36
42	Increased Lipogenesis and Stearate Accelerate Vascular Calcification in Calcifying Vascular Cells. Journal of Biological Chemistry, 2011, 286, 23938-23949.	3.4	36
43	Multiscale light-sheet for rapid imaging of cardiopulmonary system. JCI Insight, 2018, 3, .	5.0	36
44	Activating transcription factor-4 promotes mineralization in vascular smooth muscle cells. JCI Insight, 2016, 1, e88646.	5.0	35
45	Contractile and hemodynamic forces coordinate Notch1b-mediated outflow tract valve formation. JCI Insight, 2019, 4, .	5.0	34
46	PKA-induced Receptor Activator of NF-Î°B Ligand (RANKL) Expression in Vascular Cells Mediates Osteoclastogenesis but Not Matrix Calcification. Journal of Biological Chemistry, 2010, 285, 29925-29931.	3.4	32
47	Regulation of RANKL-induced osteoclastic differentiation by vascular cells. Journal of Molecular and Cellular Cardiology, 2005, 39, 389-393.	1.9	30
48	Regulatory circuits controlling vascular cell calcification. Cellular and Molecular Life Sciences, 2013, 70, 3187-3197.	5.4	30
49	Role of Cellular Cholesterol Metabolism in Vascular Cell Calcification. Journal of Biological Chemistry, 2011, 286, 33701-33706.	3.4	28
50	Lipoproteins in Cardiovascular Calcification: Potential Targets and Challenges. Frontiers in Cardiovascular Medicine, 2018, 5, 172.	2.4	27
51	Inflammation Drives Retraction, Stiffening, and Nodule Formation via Cytoskeletal Machinery in a Three-Dimensional Culture Model of Aortic Stenosis. American Journal of Pathology, 2016, 186, 2378-2389.	3.8	25
52	Regulation of interleukin-6 expression in osteoblasts by oxidized phospholipids. Journal of Lipid Research, 2010, 51, 1010-1016.	4.2	23
53	A dynamic model of calcific nodule destabilization in response to monocyte- and oxidized lipid-induced matrix metalloproteinases. American Journal of Physiology - Cell Physiology, 2012, 302, C658-C665.	4.6	23
54	The Mechanobiology of Endothelial-to-Mesenchymal Transition in Cardiovascular Disease. Frontiers in Physiology, 2021, 12, 734215.	2.8	23

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55	Effects of teriparatide on morphology of aortic calcification in aged hyperlipidemic mice. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H1203-H1213.	3.2	22
56	Changes in microarchitecture of atherosclerotic calcification assessed by 18F-NaF PET and CT after a progressive exercise regimen in hyperlipidemic mice. Journal of Nuclear Cardiology, 2021, 28, 2207-2214.	2.1	20
57	Statin Effects on Vascular Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e185-e192.	2.4	19
58	T0901317, an LXR agonist, augments PKAâ€induced vascular cell calcification. FEBS Letters, 2009, 583, 1344-1348.	2.8	18
59	Osteopontin. Circulation Research, 1999, 84, 250-252.	4.5	17
60	Interactive and Multifactorial Mechanisms of Calcific Vascular and Valvular Disease. Trends in Endocrinology and Metabolism, 2019, 30, 646-657.	7.1	16
61	Roles of Parathyroid Hormone (PTH) Receptor and Reactive Oxygen Species in Hyperlipidemiaâ€induced PTH Resistance in Preosteoblasts. Journal of Cellular Biochemistry, 2014, 115, 179-188.	2.6	13
62	Exosomes. Circulation Research, 2015, 116, 1281-1283.	4.5	13
63	Return to Ectopia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1307-1308.	2.4	11
64	Hyperlipidemia affects multiscale structure and strength of murine femur. Journal of Biomechanics, 2014, 47, 2436-2443.	2.1	11
65	Systems Biology of Vascular Calcification. Trends in Cardiovascular Medicine, 2009, 19, 118-123.	4.9	10
66	Biomolecules Orchestrating Cardiovascular Calcification. Biomolecules, 2021, 11, 1482.	4.0	10
67	Serotonin receptor type 2B activation augments TNFâ€Î±â€induced matrix mineralization in murine valvular interstitial cells. Journal of Cellular Biochemistry, 2021, 122, 249-258.	2.6	8
68	Potential impact of the steroid hormone, vitamin D, on the vasculature. American Heart Journal, 2021, 239, 147-153.	2.7	8
69	Role of paraoxonase-1 in bone anabolic effects of parathyroid hormone in hyperlipidemic mice. Biochemical and Biophysical Research Communications, 2013, 431, 19-24.	2.1	6
70	The leading edge of vascular calcification. Trends in Cardiovascular Medicine, 2015, 25, 275-277.	4.9	5
71	Response to Letter Regarding Article, â€œOsteoprotegerin Inhibits Vascular Calcification Without Affecting Atherosclerosis in ldlr (â^'/â^') Miceâ€. Circulation, 2008, 118, .	1.6	4
72	Hearts of Stone: Calcific Aortic Stenosis and Antiresorptive Agents for Osteoporosis. Circulation, 2021, 143, 2428-2430.	1.6	4

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73	Focal High Cell Density Generates a Gradient of Patterns in Self-Organizing Vascular Mesenchymal Cells. Journal of Vascular Research, 2012, 49, 441-446.	1.4	3
74	Regulation of calcific vascular and valvular disease by nuclear receptors. Current Opinion in Lipidology, 2019, 30, 357-363.	2.7	3
75	The Hemosteoblast. Circulation Research, 2011, 108, 1038-1039.	4.5	2
76	Preferred mitotic orientation in pattern formation by vascular mesenchymal cells. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1411-H1417.	3.2	2
77	COMP-lex Mechanics. Circulation Research, 2016, 119, 184-186.	4.5	2
78	Lipids and cardiovascular calcification: contributions to plaque vulnerability. Current Opinion in Lipidology, 2021, 32, 308-314.	2.7	2
79	Microarchitectural Changes of Cardiovascular Calcification in Response to In Vivo Interventions Using Deep-Learning Segmentation and Computed Tomography Radiomics. Arteriosclerosis, Thrombosis, and Vascular Biology, 0, , .	2.4	2
80	Reply: Evolutionary approach sheds light on the significance of vascular calcification. Trends in Cardiovascular Medicine, 2017, 27, 72.	4.9	1
81	A biomarker for vascular calcification: shedding light on an unfinished story?. Cardiovascular Research, 2021, 117, 1809-1810.	3.8	1
82	A matter of degree: A commentary on â€œInfluence of oxidized low-density lipoproteins (LDL) on the viability of osteoblastic cellsâ€• Free Radical Biology and Medicine, 2008, 44, 504-505.	2.9	0
83	Vascular Calcification. , 2012, , 1383-1389.		0
84	Heart valve calcification. , 2019, , 307-319.		0
85	Fluid Shear Stress Destabilizes the Vascular Mesenchymal Stem Cellsâ€Derived Calcifying Nodules. FASEB Journal, 2006, 20, A632.	0.5	0
86	The Paradoxical Relationship Between Skeletal and Cardiovascular Mineralization. Contemporary Cardiology, 2020, , 319-332.	0.1	0