

Leon J Schurgers

List of Publications by Citations

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209
papers

12,132
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64
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104
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229
ext. papers

14,197
ext. citations

6
avg, IF

6.27
L-index

#	Paper	IF	Citations
209	Human vascular smooth muscle cells undergo vesicle-mediated calcification in response to changes in extracellular calcium and phosphate concentrations: a potential mechanism for accelerated vascular calcification in ESRD. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 2857-67	12.7	715
208	Dialysis accelerates medial vascular calcification in part by triggering smooth muscle cell apoptosis. <i>Circulation</i> , 2008 , 118, 1748-57	16.7	371
207	Dietary intake of menaquinone is associated with a reduced risk of coronary heart disease: the Rotterdam Study. <i>Journal of Nutrition</i> , 2004 , 134, 3100-5	4.1	340
206	The associations of fibroblast growth factor 23 and uncarboxylated matrix Gla protein with mortality in coronary artery disease: the Heart and Soul Study. <i>Annals of Internal Medicine</i> , 2010 , 152, 640-8	8	335
205	Vascular smooth muscle cell calcification is mediated by regulated exosome secretion. <i>Circulation Research</i> , 2015 , 116, 1312-23	15.7	319
204	Calcium regulates key components of vascular smooth muscle cell-derived matrix vesicles to enhance mineralization. <i>Circulation Research</i> , 2011 , 109, e1-12	15.7	269
203	Vitamin K-containing dietary supplements: comparison of synthetic vitamin K1 and natto-derived menaquinone-7. <i>Blood</i> , 2007 , 109, 3279-83	2.2	249
202	Chronic mineral dysregulation promotes vascular smooth muscle cell adaptation and extracellular matrix calcification. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 103-12	12.7	235
201	Novel conformation-specific antibodies against matrix gamma-carboxyglutamic acid (Gla) protein: undercarboxylated matrix Gla protein as marker for vascular calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1629-33	9.4	228
200	Effect of vitamin K2 supplementation on functional vitamin K deficiency in hemodialysis patients: a randomized trial. <i>American Journal of Kidney Diseases</i> , 2012 , 59, 186-95	7.4	209
199	Regression of warfarin-induced medial elastocalcinosis by high intake of vitamin K in rats. <i>Blood</i> , 2007 , 109, 2823-31	2.2	202
198	The circulating inactive form of matrix gla protein is a surrogate marker for vascular calcification in chronic kidney disease: a preliminary report. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010 , 5, 568-75	6.9	199
197	Matrix Gla-protein: The calcification inhibitor in need of vitamin K. <i>Thrombosis and Haemostasis</i> , 2008 , 100, 593-603	7	198
196	Vitamin K-dependent carboxylation of matrix Gla-protein: a crucial switch to control ectopic mineralization. <i>Trends in Molecular Medicine</i> , 2013 , 19, 217-26	11.5	195
195	Post-translational modifications regulate matrix Gla protein function: importance for inhibition of vascular smooth muscle cell calcification. <i>Journal of Thrombosis and Haemostasis</i> , 2007 , 5, 2503-11	15.4	181
194	Characterisation and potential diagnostic value of circulating matrix Gla protein (MGP) species. <i>Thrombosis and Haemostasis</i> , 2010 , 104, 811-22	7	177
193	Circulating nonphosphorylated carboxylated matrix gla protein predicts survival in ESRD. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 387-95	12.7	172

192	Vitamin K: The coagulation vitamin that became omnipotent. <i>Thrombosis and Haemostasis</i> , 2007 , 98, 120-125	7	171
191	Vitamin K2 supplementation improves hip bone geometry and bone strength indices in postmenopausal women. <i>Osteoporosis International</i> , 2007 , 18, 963-72	5.3	159
190	Vascular calcification in chronic kidney disease: an update. <i>Nephrology Dialysis Transplantation</i> , 2016 , 31, 31-9	4.3	153
189	The circulating calcification inhibitors, fetuin-A and osteoprotegerin, but not matrix Gla protein, are associated with vascular stiffness and calcification in children on dialysis. <i>Nephrology Dialysis Transplantation</i> , 2008 , 23, 3263-71	4.3	138
188	The circulating inactive form of matrix Gla Protein (ucMGP) as a biomarker for cardiovascular calcification. <i>Journal of Vascular Research</i> , 2008 , 45, 427-36	1.9	136
187	Differential lipoprotein transport pathways of K-vitamins in healthy subjects. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002 , 1570, 27-32	4	135
186	Fetuin-A protects against atherosclerotic calcification in CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 1264-74	12.7	132
185	Oral anticoagulant treatment: friend or foe in cardiovascular disease?. <i>Blood</i> , 2004 , 104, 3231-2	2.2	132
184	Determination of phylloquinone and menaquinones in food. Effect of food matrix on circulating vitamin K concentrations. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 2000 , 30, 298-307		132
183	Vitamin K intake and status are low in hemodialysis patients. <i>Kidney International</i> , 2012 , 82, 605-10	9.9	121
182	Relationship between sclerostin and cardiovascular calcification in hemodialysis patients: a cross-sectional study. <i>BMC Nephrology</i> , 2013 , 14, 219	2.7	120
181	Patients using vitamin K antagonists show increased levels of coronary calcification: an observational study in low-risk atrial fibrillation patients. <i>European Heart Journal</i> , 2011 , 32, 2555-62	9.5	116
180	Menadione is a metabolite of oral vitamin K. <i>British Journal of Nutrition</i> , 2006 , 95, 260-6	3.6	114
179	Matrix Gla-protein: the calcification inhibitor in need of vitamin K. <i>Thrombosis and Haemostasis</i> , 2008 , 100, 593-603	7	114
178	Vascular calcification: the price to pay for anticoagulation therapy with vitamin K-antagonists. <i>Blood Reviews</i> , 2012 , 26, 155-66	11.1	106
177	Progression of aortic calcification is associated with disorders of mineral metabolism and mortality in chronic dialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 1662-9	4.3	106
176	Matrix Gla protein accumulates at the border of regions of calcification and normal tissue in the media of the arterial vessel wall. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 289, 485-90	3.4	105
175	Effect of vitamin K intake on the stability of oral anticoagulant treatment: dose-response relationships in healthy subjects. <i>Blood</i> , 2004 , 104, 2682-9	2.2	102

174	Vitamin K-antagonists accelerate atherosclerotic calcification and induce a vulnerable plaque phenotype. <i>PLoS ONE</i> , 2012 , 7, e43229	3.7	100
173	The Role of Vascular Smooth Muscle Cells in Arterial Remodeling: Focus on Calcification-Related Processes. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	93
172	Role of Vascular Smooth Muscle Cell Phenotypic Switching and Calcification in Aortic Aneurysm Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1351-1368	9.4	92
171	Chronic coumarin treatment is associated with increased extracoronary arterial calcification in humans. <i>Blood</i> , 2010 , 115, 5121-3	2.2	87
170	Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity: Evidence From Mouse and Human Studies. <i>Circulation</i> , 2017 , 136, 388-403	16.7	83
169	Matrix Gla protein is involved in elastic fiber calcification in the dermis of pseudoxanthoma elasticum patients. <i>Laboratory Investigation</i> , 2007 , 87, 998-1008	5.9	82
168	Circulating matrix Gla protein is associated with coronary artery calcification and vitamin K status in healthy women. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 624-8	6.3	81
167	Mechanisms of arterial remodeling: lessons from genetic diseases. <i>Frontiers in Genetics</i> , 2012 , 3, 290	4.5	81
166	Chronic Kidney Disease Circulating Calciprotein Particles and Extracellular Vesicles Promote Vascular Calcification: A Role for GRP (Gla-Rich Protein). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 575-587	9.4	79
165	Apolipoprotein E Regulates Amyloid Formation within Endosomes of Pigment Cells. <i>Cell Reports</i> , 2015 , 13, 43-51	10.6	77
164	Microcalcifications in early intimal lesions of atherosclerotic human coronary arteries. <i>American Journal of Pathology</i> , 2011 , 178, 2879-87	5.8	77
163	Warfarin induces cardiovascular damage in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2618-24	9.4	76
162	Mutations in the GGCX and ABCC6 genes in a family with pseudoxanthoma elasticum-like phenotypes. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 553-63	4.3	76
161	Deficiencies of calcium-regulatory proteins in dialysis patients: a novel concept of cardiovascular calcification in uremia. <i>Kidney International</i> , 2003 , S84-7	9.9	76
160	Slower Progress of Aortic Valve Calcification With Vitamin K Supplementation: Results From a Prospective Interventional Proof-of-Concept Study. <i>Circulation</i> , 2017 , 135, 2081-2083	16.7	75
159	Vitamin K: Double Bonds beyond Coagulation Insights into Differences between Vitamin K1 and K2 in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	75
158	Potentiating role of Gas6 and Tyro3, Axl and Mer (TAM) receptors in human and murine platelet activation and thrombus stabilization. <i>Journal of Thrombosis and Haemostasis</i> , 2010 , 8, 1797-808	15.4	75
157	Undercarboxylated matrix Gla protein is associated with indices of heart failure and mortality in symptomatic aortic stenosis. <i>Journal of Internal Medicine</i> , 2010 , 268, 483-92	10.8	74

156	Comparison of menaquinone-4 and menaquinone-7 bioavailability in healthy women. <i>Nutrition Journal</i> , 2012 , 11, 93	4.3	73
155	Relation of circulating matrix Gla-protein and anticoagulation status in patients with aortic valve calcification. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 706-713	7	73
154	The realm of vitamin K dependent proteins: shifting from coagulation toward calcification. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1620-35	5.9	72
153	Uncarboxylated matrix Gla protein (ucMGP) is associated with coronary artery calcification in haemodialysis patients. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 359-366	7	72
152	Calcific aortic valve stenosis: hard disease in the heart: A biomolecular approach towards diagnosis and treatment. <i>European Heart Journal</i> , 2018 , 39, 2618-2624	9.5	69
151	Vitamin K deficiency in CKD patients: a modifiable risk factor for vascular calcification?. <i>Kidney International</i> , 2009 , 76, 18-22	9.9	69
150	A comprehensive review of vitamin K and vitamin K antagonists. <i>Hematology/Oncology Clinics of North America</i> , 2000 , 14, 339-53	3.1	69
149	Vascular access calcification predicts mortality in hemodialysis patients. <i>Kidney International</i> , 2008 , 74, 1582-7	9.9	65
148	Prothrombin Loading of Vascular Smooth Muscle Cell-Derived Exosomes Regulates Coagulation and Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, e22-e32	9.4	64
147	Low serum vitamin K in PXE results in defective carboxylation of mineralization inhibitors similar to the GGCX mutations in the PXE-like syndrome. <i>Laboratory Investigation</i> , 2010 , 90, 895-905	5.9	64
146	Low-dose menaquinone-7 supplementation improved extra-hepatic vitamin K status, but had no effect on thrombin generation in healthy subjects. <i>British Journal of Nutrition</i> , 2012 , 108, 1652-7	3.6	64
145	Novel insights into osteogenesis and matrix remodelling associated with calcific uraemic arteriopathy. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 856-68	4.3	62
144	Vitamin k intake and plasma desphospho-uncarboxylated matrix Gla-protein levels in kidney transplant recipients. <i>PLoS ONE</i> , 2012 , 7, e47991	3.7	59
143	Mutations in the ABCC6 gene as a cause of generalized arterial calcification of infancy: genotypic overlap with pseudoxanthoma elasticum. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 658-665	4.3	58
142	Vitamin K1 to slow vascular calcification in haemodialysis patients (VitaVasK trial): a rationale and study protocol. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1633-8	4.3	54
141	Vitamin K: the coagulation vitamin that became omnipotent. <i>Thrombosis and Haemostasis</i> , 2007 , 98, 120-5		54
140	Effect of antitumour necrosis factor-alpha therapy on bone turnover in patients with active Crohn's disease: a prospective study. <i>Alimentary Pharmacology and Therapeutics</i> , 2004 , 20, 851-7	6.1	52
139	Pseudoxanthoma elasticum: reduced gamma-glutamyl carboxylation of matrix gla protein in a mouse model (Abcc6 ^{-/-}). <i>Biochemical and Biophysical Research Communications</i> , 2007 , 364, 208-13	3.4	51

138	Reduced Vitamin K Status as a Potentially Modifiable Risk Factor of Severe Coronavirus Disease 2019. <i>Clinical Infectious Diseases</i> , 2021 , 73, e4039-e4046	11.6	51
137	Circulating levels of non-phosphorylated undercarboxylated matrix Gla protein are associated with disease severity in patients with chronic heart failure. <i>Clinical Science</i> , 2011 , 121, 119-27	6.5	50
136	Platelet extracellular vesicles induce a pro-inflammatory smooth muscle cell phenotype. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1322454	16.4	49
135	Co-existent pseudoxanthoma elasticum and vitamin K-dependent coagulation factor deficiency: compound heterozygosity for mutations in the GGCX gene. <i>American Journal of Pathology</i> , 2009 , 174, 534-40	5.8	49
134	Does statins promote vascular calcification in chronic kidney disease?. <i>European Journal of Clinical Investigation</i> , 2017 , 47, 137-148	4.6	48
133	Effects of the blood coagulation vitamin K as an inhibitor of arterial calcification. <i>Thrombosis Research</i> , 2008 , 122, 411-7	8.2	47
132	Calcium scores and matrix Gla protein levels: association with vitamin K status. <i>European Journal of Clinical Investigation</i> , 2010 , 40, 344-9	4.6	46
131	Undercarboxylated matrix GLA protein levels are decreased in dialysis patients and related to parameters of calcium-phosphate metabolism and aortic augmentation index. <i>Blood Purification</i> , 2007 , 25, 395-401	3.1	46
130	The effect of menaquinone-7 (vitamin K2) supplementation on osteocalcin carboxylation in healthy prepubertal children. <i>British Journal of Nutrition</i> , 2009 , 102, 1171-8	3.6	44
129	Coagulation meets calcification: the vitamin K system. <i>International Journal of Artificial Organs</i> , 2009 , 32, 67-74	1.9	44
128	Arterial calcifications. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 2203-10	5.6	44
127	Identification of differentially expressed genes in human varicose veins: involvement of matrix gla protein in extracellular matrix remodeling. <i>Journal of Vascular Research</i> , 2007 , 44, 444-59	1.9	44
126	Initiation and Propagation of Vascular Calcification Is Regulated by a Concert of Platelet- and Smooth Muscle Cell-Derived Extracellular Vesicles. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 36	5.4	43
125	New Insights into the Pros and Cons of the Clinical Use of Vitamin K Antagonists (VKAs) Versus Direct Oral Anticoagulants (DOACs). <i>Nutrients</i> , 2015 , 7, 9538-57	6.7	43
124	Pharmacological Treatment with Annexin A1 Reduces Atherosclerotic Plaque Burden in LDLR ^{-/-} Mice on Western Type Diet. <i>PLoS ONE</i> , 2015 , 10, e0130484	3.7	43
123	Biosynthesis of the vitamin K-dependent matrix Gla protein (MGP) in chondrocytes: a fetuin-MGP protein complex is assembled in vesicles shed from normal but not from osteoarthritic chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2010 , 18, 1096-103	6.2	42
122	Menaquinone-7 Supplementation to Reduce Vascular Calcification in Patients with Coronary Artery Disease: Rationale and Study Protocol (VitaK-CAC Trial). <i>Nutrients</i> , 2015 , 7, 8905-15	6.7	41
121	Administration of vitamin K does not counteract the ectopic mineralization of connective tissues in Abcc6 ^(-/-) mice, a model for pseudoxanthoma elasticum. <i>Cell Cycle</i> , 2011 , 10, 701-7	4.7	41

120	The effect of menaquinone-7 supplementation on vascular calcification in patients with diabetes: a randomized, double-blind, placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 883-890	7.890	40
119	Uncarboxylated matrix Gla protein (ucMGP) is associated with coronary artery calcification in haemodialysis patients. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 359-66	7	40
118	Prevention of vasculopathy by vitamin K supplementation: can we turn fiction into fact?. <i>Atherosclerosis</i> , 2015 , 240, 10-6	3.1	39
117	Reactive Oxygen-Forming Nox5 Links Vascular Smooth Muscle Cell Phenotypic Switching and Extracellular Vesicle-Mediated Vascular Calcification. <i>Circulation Research</i> , 2020 , 127, 911-927	15.7	39
116	Thrombo-Inflammation in Cardiovascular Disease: An Expert Consensus Document from the Third Maastricht Consensus Conference on Thrombosis. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 538-564	7	39
115	Intra-Section Analysis of Human Coronary Arteries Reveals a Potential Role for Micro-Calcifications in Macrophage Recruitment in the Early Stage of Atherosclerosis. <i>PLoS ONE</i> , 2015 , 10, e0142335	3.7	38
114	Vitamin K supplementation increases vitamin K tissue levels but fails to counteract ectopic calcification in a mouse model for pseudoxanthoma elasticum. <i>Journal of Molecular Medicine</i> , 2011 , 89, 1125-35	5.5	38
113	Association of kidney function and uncarboxylated matrix Gla protein: data from the Heart and Soul Study. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 2095-101	4.3	38
112	Phosphate binders affect vitamin K concentration by undesired binding, an in vitro study. <i>BMC Nephrology</i> , 2017 , 18, 149	2.7	37
111	Matrix gla protein (MGP): an overexpressed and migration-promoting mesenchymal component in glioblastoma. <i>BMC Cancer</i> , 2009 , 9, 302	4.8	37
110	Lack of evidence does not justify neglect: how can we address unmet medical needs in calciphylaxis?. <i>Nephrology Dialysis Transplantation</i> , 2016 , 31, 1211-9	4.3	34
109	Characteristics and performance of an immunosorbent assay for human matrix Gla-protein. <i>Clinica Chimica Acta</i> , 2005 , 351, 131-8	6.2	34
108	Early vascular ageing in chronic kidney disease: impact of inflammation, vitamin K, senescence and genomic damage. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, ii31-ii37	4.3	33
107	High-Dose Menaquinone-7 Supplementation Reduces Cardiovascular Calcification in a Murine Model of Extrasosseous Calcification. <i>Nutrients</i> , 2015 , 7, 6991-7011	6.7	33
106	Association of vitamin K status with adiponectin and body composition in healthy subjects: uncarboxylated osteocalcin is not associated with fat mass and body weight. <i>British Journal of Nutrition</i> , 2012 , 108, 1017-24	3.6	33
105	Relationship between CT anthropometric measurements, adipokines and abdominal aortic calcification. <i>Atherosclerosis</i> , 2008 , 197, 428-34	3.1	33
104	Vitamin K status is associated with childhood bone mineral content. <i>British Journal of Nutrition</i> , 2008 , 100, 852-8	3.6	33
103	Vitamin K: key vitamin in controlling vascular calcification in chronic kidney disease. <i>Kidney International</i> , 2013 , 83, 782-4	9.9	31

102	Risk factors for cardiovascular calcifications in non-diabetic Caucasian haemodialysis patients. <i>Kidney and Blood Pressure Research</i> , 2009 , 32, 161-8	3.1	31
101	Associations between body composition, circulating interleukin-1 receptor antagonist, osteocalcin, and insulin metabolism in active acromegaly. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 361-8	5.6	30
100	Glia-induced neuronal differentiation by transcriptional regulation. <i>Glia</i> , 2007 , 55, 1108-22	9	30
99	The external quality assurance of phylloquinone (vitamin K(1)) analysis in human serum. <i>Biomedical Chromatography</i> , 2009 , 23, 1276-82	1.7	29
98	The role of kidney transplantation and phosphate binder use in vitamin K status. <i>PLoS ONE</i> , 2018 , 13, e0203157	3.7	29
97	Matrix Gla protein is an independent predictor of both intimal and medial vascular calcification in chronic kidney disease. <i>Scientific Reports</i> , 2020 , 10, 6586	4.9	28
96	Myeloid A disintegrin and metalloproteinase domain 10 deficiency modulates atherosclerotic plaque composition by shifting the balance from inflammation toward fibrosis. <i>American Journal of Pathology</i> , 2015 , 185, 1145-55	5.8	27
95	Ucma/GRP inhibits phosphate-induced vascular smooth muscle cell calcification via SMAD-dependent BMP signalling. <i>Scientific Reports</i> , 2018 , 8, 4961	4.9	27
94	Matrix gla protein and alkaline phosphatase are differently modulated in human dermal fibroblasts from PXE patients and controls. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 946-54	4.3	27
93	Role of vitamin K-dependent proteins in the arterial vessel wall. <i>Hamostaseologie</i> , 2011 , 31, 251-7	1.9	27
92	Circulating matrix γ -carboxyglutamate protein (MGP) species are refractory to vitamin K treatment in a new case of Keutel syndrome. <i>Journal of Thrombosis and Haemostasis</i> , 2011 , 9, 1225-35	15.4	27
91	Relation of circulating Matrix Gla-Protein and anticoagulation status in patients with aortic valve calcification. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 706-13	7	27
90	Annexin A1 as Neuroprotective Determinant for Blood-Brain Barrier Integrity in Neonatal Hypoxic-Ischemic Encephalopathy. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	26
89	Differential cellular effects of old and new oral anticoagulants: consequences to the genesis and progression of atherosclerosis. <i>Thrombosis and Haemostasis</i> , 2014 , 112, 909-17	7	25
88	Cell surface-expressed phosphatidylserine as therapeutic target to enhance phagocytosis of apoptotic cells. <i>Cell Death and Differentiation</i> , 2013 , 20, 49-56	12.7	25
87	Analysis of calcifications in patients with coral reef aorta. <i>Annals of Vascular Surgery</i> , 2010 , 24, 408-14	1.7	25
86	Anticoagulant effect of dietary fish oil in hyperlipidemia: a study of hepatic gene expression in APOE2 knock-in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 2023-9	9.4	25
85	Targeting Coagulation Factor Xa Promotes Regression of Advanced Atherosclerosis in Apolipoprotein-E Deficient Mice. <i>Scientific Reports</i> , 2019 , 9, 3909	4.9	24

84	The Bone-Vasculature Axis: Calcium Supplementation and the Role of Vitamin K. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 6	5.4	23
83	The connecting segment between both epidermal growth factor-like domains in blood coagulation factor IX contributes to stimulation by factor VIIIa and its isolated A2 domain. <i>Journal of Biological Chemistry</i> , 2002 , 277, 20214-20	5.4	23
82	The association of uncarboxylated matrix Gla protein with mitral annular calcification differs by diabetes status: The Heart and Soul study. <i>Atherosclerosis</i> , 2010 , 210, 320-5	3.1	21
81	Vitamin K antagonism aggravates chronic kidney disease-induced neointimal hyperplasia and calcification in arterialized veins: role of vitamin K treatment?. <i>Kidney International</i> , 2016 , 89, 601-11	9.9	18
80	Vitamin K2 Needs an RDI Separate from Vitamin K1. <i>Nutrients</i> , 2020 , 12,	6.7	18
79	AnxA5 reduces plaque inflammation of advanced atherosclerotic lesions in apoE(-/-) mice. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 2117-24	5.6	18
78	Circulating calcification inhibitors and vascular properties in children after renal transplantation. <i>Pediatric Nephrology</i> , 2008 , 23, 985-93	3.2	18
77	Target identification for the diagnosis and intervention of vulnerable atherosclerotic plaques beyond F-fluorodeoxyglucose positron emission tomography imaging: promising tracers on the horizon. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 251-265	8.8	18
76	Endoplasmic Reticulum Stress Mediates Vascular Smooth Muscle Cell Calcification via Increased Release of Grp78 (Glucose-Regulated Protein, 78 kDa)-Loaded Extracellular Vesicles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 898-914	9.4	17
75	Magnesium but not nicotinamide prevents vascular calcification in experimental uraemia. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 65-73	4.3	16
74	Warfarin accelerates ectopic mineralization in Abcc6(-/-) mice: clinical relevance to pseudoxanthoma elasticum. <i>American Journal of Pathology</i> , 2013 , 182, 1139-50	5.8	16
73	T-138C polymorphism of matrix gla protein promoter alters its expression but is not directly associated with atherosclerotic vascular calcification. <i>Kobe Journal of Medical Sciences</i> , 2004 , 50, 69-81	0.6	16
72	Bicuspid Aortic Valve Stenosis and the Effect of Vitamin K2 on Calcification Using F-Sodium Fluoride Positron Emission Tomography/Magnetic Resonance: The BASIK2 Rationale and Trial Design. <i>Nutrients</i> , 2018 , 10,	6.7	15
71	Molecular imaging to identify the vulnerable plaque--from basic research to clinical practice. <i>Molecular Imaging and Biology</i> , 2012 , 14, 523-33	3.8	15
70	Atypical presentation of pseudoxanthoma elasticum with abdominal cutis laxa: evidence for a spectrum of ectopic calcification disorders?. <i>American Journal of Medical Genetics, Part A</i> , 2011 , 155A, 2855-9	2.5	15
69	Rapidly progressive severe vascular calcification sparing the kidney allograft following warfarin initiation. <i>American Journal of Kidney Diseases</i> , 2010 , 56, 1158-62	7.4	15
68	Intestinal, hepatic, and circulating vitamin K levels at low and high intakes of vitamin K in rats. <i>British Journal of Nutrition</i> , 2000 , 83, 185-190	3.6	15
67	Circulating annexin A5 predicts mortality in patients with heart failure. <i>Journal of Internal Medicine</i> , 2016 , 279, 89-97	10.8	15

66	Renal matrix Gla protein expression increases progressively with CKD and predicts renal outcome. <i>Experimental and Molecular Pathology</i> , 2018 , 105, 120-129	4.4	14
65	Ectopic calcification in Ethalassemia patients is associated with increased oxidative stress and lower MGP carboxylation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 2077-84 ^{6.9}	6.9	14
64	Intimal and medial calcification in relation to cardiovascular risk factors. <i>PLoS ONE</i> , 2020 , 15, e0235228	3.7	14
63	Vitamin K Antagonists, Non-Vitamin K Antagonist Oral Anticoagulants, and Vascular Calcification in Patients with Atrial Fibrillation. <i>TH Open</i> , 2018 , 2, e391-e398	2.7	14
62	Molecular characterization of soluble factors from human menstrual effluent that induce epithelial to mesenchymal transitions in mesothelial cells. <i>Cell and Tissue Research</i> , 2005 , 322, 299-311	4.2	13
61	Pharmacological and Nutritional Modulation of Vascular Calcification. <i>Nutrients</i> , 2019 , 12,	6.7	13
60	Reduced Vitamin K Status as A Potentially Modifiable Prognostic Risk Factor in COVID-19		12
59	Annexin A5 reduces early plaque formation in ApoE ^{-/-} mice. <i>PLoS ONE</i> , 2017 , 12, e0190229	3.7	11
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