Cees Vermeer

List of Publications by Year
in descending order

202 papers	12,294 citations	17440 63 h-index	29157 104 g-index
202 all docs	202 docs citations	202 times ranked	6921 citing authors

#	Article	IF	Citations
1	Differential Expression of Bone Matrix Regulatory Proteins in Human Atherosclerotic Plaques. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1998-2003.	2.4	630
2	Dietary Intake of Menaquinone Is Associated with a Reduced Risk of Coronary Heart Disease: The Rotterdam Study. Journal of Nutrition, 2004, 134, 3100-3105.	2.9	435
3	The Associations of Fibroblast Growth Factor 23 and Uncarboxylated Matrix Gla Protein With Mortality in Coronary Artery Disease: The Heart and Soul Study. Annals of Internal Medicine, 2010, 152, 640.	3.9	396
4	Vitamin Kâ€“containing dietary supplements: comparison of synthetic vitamin K1 and natto-derived menaquinone-7. Blood, 2007, 109, 3279-3283.	1.4	317
5	Novel Conformation-Specific Antibodies Against Matrix Î³-Carboxyglutamic Acid (Gla) Protein. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1629-1633.	2.4	272
6	Effect of Vitamin K2 Supplementation on Functional Vitamin K Deficiency in Hemodialysis Patients: A Randomized Trial. American Journal of Kidney Diseases, 2012, 59, 186-195.	1.9	257
7	The Circulating Inactive Form of Matrix Gla Protein Is a Surrogate Marker for Vascular Calcification in Chronic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2010, 5, 568-575.	4.5	251
8	The role of menaquinones (vitamin K₂) in human health. British Journal of Nutrition, 2013, 110, 1357-1368.	2.3	238
9	Regression of warfarin-induced medial elastocalcinosis by high intake of vitamin K in rats. Blood, 2007, 109, 2823-2831.	1.4	237
10	Matrix Gla-protein: The calcification inhibitor in need of vitamin K. Thrombosis and Haemostasis, 2008, 100, 593-603.	3.4	232
11	Determination of Phylloquinone and Menaquinones in Food. Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research, 2000, 30, 298-307.	0.3	208
12	Characterisation and potential diagnostic value of circulating matrix Gla protein (MGP) species. Thrombosis and Haemostasis, 2010, 104, 811-822.	3.4	207
13	Circulating Nonphosphorylated Carboxylated Matrix Gla Protein Predicts Survival in ESRD. Journal of the American Society of Nephrology: JASN, 2011, 22, 387-395.	6.1	207
14	Vitamin K: The coagulation vitamin that became omnipotent. Thrombosis and Haemostasis, 2007, 98, 120-125.	3.4	201
15	Differential lipoprotein transport pathways of K-vitamins in healthy subjects. Biochimica Et Biophysica Acta - General Subjects, 2002, 1570, 27-32.	2.4	183
16	Beneficial effects of vitamins D and K on the elastic properties of the vessel wall in postmenopausal women: a follow-up study. Thrombosis and Haemostasis, 2004, 91, 373-380.	3.4	171
17	The Circulating Inactive Form of Matrix Gla Protein (ucMGP) as a Biomarker for Cardiovascular Calcification. Journal of Vascular Research, 2008, 45, 427-436.	1.4	159
18	Vitamin K intake and status are low in hemodialysis patients. Kidney International, 2012, 82, 605-610.	5.2	158

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19	Oral anticoagulant treatment: friend or foe in cardiovascular disease?. Blood, 2004, 104, 3231-3232.	1.4	153
20	Effect of food composition on vitamin K absorption in human volunteers. British Journal of Nutrition, 1996, 76, 223-229.	2.3	149
21	Menaquinone-7 supplementation improves arterial stiffness in healthy postmenopausal women. Thrombosis and Haemostasis, 2015, 113, 1135-1144.	3.4	149
22	Vitamin K: the effect on health beyond coagulation â€“ an overview. Food and Nutrition Research, 2012, 56, 5329.	2.6	136
23	Matrix Gla-protein: the calcification inhibitor in need of vitamin K. Thrombosis and Haemostasis, 2008, 100, 593-603.	3.4	135
24	Vitamin K-Antagonists Accelerate Atherosclerotic Calcification and Induce a Vulnerable Plaque Phenotype. PLoS ONE, 2012, 7, e43229.	2.5	127
25	Effect of vitamin K intake on the stability of oral anticoagulant treatment: dose-response relationships in healthy subjects. Blood, 2004, 104, 2682-2689.	1.4	122
26	Vitamin Kâ€“Dependent Carboxylation of Matrix Gla Protein Influences the Risk of Calciphylaxis. Journal of the American Society of Nephrology: JASN, 2017, 28, 1717-1722.	6.1	122
27	Chronic Kidney Disease Circulating Calciprotein Particles and Extracellular Vesicles Promote Vascular Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 575-587.	2.4	121
28	Matrix Gla protein is associated with coronary artery calcification as assessed by electron-beam computed tomography. Thrombosis and Haemostasis, 2004, 91, 790-794.	3.4	119
29	Beyond Deficiency:. European Journal of Nutrition, 2004, 43, 325-335.	3.9	115
30	Matrix Gla Protein Accumulates at the Border of Regions of Calcification and Normal Tissue in the Media of the Arterial Vessel Wall. Biochemical and Biophysical Research Communications, 2001, 289, 485-490.	2.1	113
31	Chronic coumarin treatment is associated with increased extracoronary arterial calcification in humans. Blood, 2010, 115, 5121-5123.	1.4	113
32	A Polymorphism of the Human Matrix Î³-Carboxyglutamic Acid Protein Promoter Alters Binding of an Activating Protein-1 Complex and Is Associated with Altered Transcription and Serum Levels. Journal of Biological Chemistry, 2001, 276, 32466-32473.	3.4	108
33	Vitamin K2 supplementation in haemodialysis patients: a randomized dose-finding study. Nephrology Dialysis Transplantation, 2014, 29, 1385-1390.	0.7	105
34	The Role of Vitamin K in Soft-Tissue Calcification. Advances in Nutrition, 2012, 3, 166-173.	6.4	104
35	Vitamin K-induced changes in markers for osteoblast activity and urinary calcium loss. Calcified Tissue International, 1993, 53, 81-85.	3.1	102
36	Gla-Rich Protein Acts as a Calcification Inhibitor in the Human Cardiovascular System. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 399-408.	2.4	102

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37	The realm of vitamin K dependent proteins: Shifting from coagulation toward calcification. Molecular Nutrition and Food Research, 2014, 58, 1620-1635.	3.3	100
38	Deficiencies of calcium-regulatory proteins in dialysis patients: A novel concept of cardiovascular calcification in uremia. Kidney International, 2003, 63, S84-S87.	5.2	99
39	Vitamin K intake and osteocalcin levels in women with and without aortic atherosclerosis: a population-based study. Atherosclerosis, 1995, 116, 117-123.	0.8	96
40	Matrix Gla protein is involved in elastic fiber calcification in the dermis of pseudoxanthoma elasticum patients. Laboratory Investigation, 2007, 87, 998-1008.	3.7	96
41	Circulating matrix Gla protein is associated with coronary artery calcification and vitamin K status in healthy women. Journal of Nutritional Biochemistry, 2013, 24, 624-628.	4.2	96
42	Matrix Gla Protein Species and Risk of Cardiovascular Events in Type 2 Diabetic Patients. Diabetes Care, 2013, 36, 3766-3771.	8.6	94
43	Reduced Vitamin K Status as a Potentially Modifiable Risk Factor of Severe Coronavirus Disease 2019. Clinical Infectious Diseases, 2021, 73, e4039-e4046.	5.8	93
44	Circulating Uncarboxylated Matrix Gla Protein Is Associated with Vitamin K Nutritional Status, but Not Coronary Artery Calcium, in Older Adults. Journal of Nutrition, 2011, 141, 1529-1534.	2.9	91
45	Warfarin Induces Cardiovascular Damage in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2618-2624.	2.4	90
46	A COMPREHENSIVE REVIEW OF VITAMIN K AND VITAMIN K ANTAGONISTS. Hematology/Oncology Clinics of North America, 2000, 14, 339-353.	2.2	88
47	Relation of circulating matrix Gla-protein and anticoagulation status in patients with aortic valve calcification. Thrombosis and Haemostasis, 2009, 101, 706-713.	3.4	85
48	Uncarboxylated matrix Gla protein (ucMGP) is associated with coronary artery calcification in haemodialysis patients. Thrombosis and Haemostasis, 2009, 101, 359-366.	3.4	85
49	Inactive Matrix Gla-Protein Is Associated With Arterial Stiffness in an Adult Populationâ€“Based Study. Hypertension, 2015, 66, 85-92.	2.7	85
50	Inactive Matrix Gla Protein Is Causally Related to Adverse Health Outcomes. Hypertension, 2015, 65, 463-470.	2.7	84
51	Low-dose menaquinone-7 supplementation improved extra-hepatic vitamin K status, but had no effect on thrombin generation in healthy subjects. British Journal of Nutrition, 2012, 108, 1652-1657.	2.3	79
52	Effects of Vitamin K on Bone Mass and Bone Metabolism. Journal of Nutrition, 1996, 126, 1187S-1191S.	2.9	78
53	Impaired vitamin K recycling in uremia is rescued by vitamin K supplementation. Kidney International, 2014, 86, 286-293.	5.2	78
54	Circulating uncarboxylated matrix Gla protein, a marker of vitamin K status, as a risk factor of cardiovascular disease. Maturitas, 2014, 77, 137-141.	2.4	76

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55	Vitamin K Intake and Plasma Desphospho-Uncarboxylated Matrix Gla-Protein Levels in Kidney Transplant Recipients. PLoS ONE, 2012, 7, e47991.	2.5	75
56	Desphospho-uncarboxylated matrix Gla-protein is associated with mortality risk in patients with chronic stable vascular disease. Atherosclerosis, 2014, 235, 162-168.	0.8	75
57	Novel mutation in the Î³-glutamyl carboxylase gene resulting in congenital combined deficiency of all vitamin Kâ€“dependent blood coagulation factors. Blood, 2000, 96, 3650-3652.	1.4	73
58	Low serum vitamin K in PXE results in defective carboxylation of mineralization inhibitors similar to the GGCX mutations in the PXE-like syndrome. Laboratory Investigation, 2010, 90, 895-905.	3.7	72
59	Vitamin K: the coagulation vitamin that became omnipotent. Thrombosis and Haemostasis, 2007, 98, 120-5.	3.4	72
60	Congenital Deficiency of All Vitamin K-Dependent Blood Coagulation Factors Due to a Defective Vitamin K-Dependent Carboxylase in Devon Rex Cats. Thrombosis and Haemostasis, 1992, 68, 521-525.	3.4	70
61	Intestinal flora is not an intermediate in the phylloquinone-menaquinone-4 conversion in the rat. Biochimica Et Biophysica Acta - General Subjects, 1998, 1379, 69-75.	2.4	70
62	Factors Affecting Bone Loss in Female Endurance Athletes. American Journal of Sports Medicine, 2003, 31, 889-895.	4.2	70
63	Gla-rich protein is involved in the cross-talk between calcification and inflammation in osteoarthritis. Cellular and Molecular Life Sciences, 2016, 73, 1051-1065.	5.4	67
64	Vitamin K Status and Mortality After Kidney Transplantation: AÂCohort Study. American Journal of Kidney Diseases, 2015, 65, 474-483.	1.9	65
65	Total chemical synthesis of human matrix Gla protein. Protein Science, 2001, 10, 864-870.	7.6	63
66	Bioavailability of phylloquinone and menaquinones after oral and colorectal administration in vitamin K-deficient rats. Biochemical Pharmacology, 1995, 50, 797-801.	4.4	62
67	Undercarboxylated Matrix GLA Protein Levels Are Decreased in Dialysis Patients and Related to Parameters of Calcium-Phosphate Metabolism and Aortic Augmentation Index. Blood Purification, 2007, 25, 395-401.	1.8	61
68	Circulating levels of non-phosphorylated undercarboxylated matrix Gla protein are associated with disease severity in patients with chronic heart failure. Clinical Science, 2011, 121, 119-127.	4.3	61
69	The effect of menaquinone-7 (vitamin K₂) supplementation on osteocalcin carboxylation in healthy prepubertal children. British Journal of Nutrition, 2009, 102, 1171-1178.	2.3	59
70	Gla-rich protein function as an anti-inflammatory agent in monocytes/macrophages: Implications for calcification-related chronic inflammatory diseases. PLoS ONE, 2017, 12, e0177829.	2.5	59
71	Novel Insights into Uremic Vascular Calcification: Role of Matrix Gla Protein and Alpha-2-Heremans Schmid Glycoprotein/Fetuin. Blood Purification, 2002, 20, 473-476.	1.8	55
72	Calcium scores and matrix Gla protein levels: association with vitamin K status. European Journal of Clinical Investigation, 2010, 40, 344-349.	3.4	55

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73	Role of K vitamins in the regulation of tissue calcification. Journal of Bone and Mineral Metabolism, 2001, 19, 201-206.	2.7	53
74	Pathophysiology of Vitamin K-deficiency and Oral Anticoagulants. Thrombosis and Haemostasis, 1991, 66, 153-159.	3.4	53
75	Menaquinone-7 Supplementation to Reduce Vascular Calcification in Patients with Coronary Artery Disease: Rationale and Study Protocol (VitaK-CAC Trial). Nutrients, 2015, 7, 8905-8915.	4.1	52
76	Association Between Vitamin K and the Metabolic Syndrome: A 10-Year Follow-Up Study in Adults. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2472-2479.	3.6	51
77	Dietary phylloquinone intake as a potential marker for a heart-healthy dietary pattern in the Framingham Offspring cohort. Journal of the American Dietetic Association, 2004, 104, 1410-1414.	1.1	49
78	Vitamin K metabolism as the potential missing link between lung damage and thromboembolism in Coronavirus disease 2019. British Journal of Nutrition, 2021, 126, 191-198.	2.3	49
79	Functional food ingredients for reducing the risks of osteoporosis. Trends in Food Science and Technology, 2000, 11, 22-33.	15.1	48
80	Prevalence and Effects of Functional Vitamin K Insufficiency: The PREVEND Study. Nutrients, 2017, 9, 1334.	4.1	48
81	Menaquinone Content of Cheese. Nutrients, 2018, 10, 446.	4.1	48
82	Ucma/GRP inhibits phosphate-induced vascular smooth muscle cell calcification via SMAD-dependent BMP signalling. Scientific Reports, 2018, 8, 4961.	3.3	46
83	Lifestyle and diet as risk factors for overanticoagulation. Journal of Clinical Epidemiology, 2002, 55, 411-417.	5.0	45
84	Vitamin K supplementation increases vitamin K tissue levels but fails to counteract ectopic calcification in a mouse model for pseudoxanthoma elasticum. Journal of Molecular Medicine, 2011, 89, 1125-1135.	3.9	45
85	Uncarboxylated matrix Gla protein (ucMGP) is associated with coronary artery calcification in haemodialysis patients. Thrombosis and Haemostasis, 2009, 101, 359-66.	3.4	45
86	Vitamin K Dependent Protection of Renal Function in Multi-ethnic Population Studies. EBioMedicine, 2016, 4, 162-169.	6.1	44
87	Inactive Matrix Gla-Protein and Arterial Stiffness in Type 2 Diabetes Mellitus. American Journal of Hypertension, 2017, 30, 196-201.	2.0	44
88	The vitamin K-dependent carboxylation reaction. Molecular and Cellular Biochemistry, 1984, 61, 17-35.	3.1	43
89	Characterization of vitamin Kâ€“dependent carboxylase mutations that cause bleeding and nonbleeding disorders. Blood, 2016, 127, 1847-1855.	1.4	43
90	Plasma Desphospho-Uncarboxylated Matrix Gla Protein as a Marker of Kidney Damage and Cardiovascular Risk in Advanced Stage of Chronic Kidney Disease. Kidney and Blood Pressure Research, 2016, 41, 231-239.	2.0	43

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91	Circulating Vitamin K Is Inversely Associated with Incident Cardiovascular Disease Risk among Those Treated for Hypertension in the Health, Aging, and Body Composition Study (Health ABC). Journal of Nutrition, 2017, 147, 888-895.	2.9	43
92	Characteristics and performance of an immunosorbent assay for human matrix Gla-protein. Clinica Chimica Acta, 2005, 351, 131-138.	1.1	41
93	Association of kidney function and uncarboxylated matrix Gla protein: Data from the Heart and Soul Study. Nephrology Dialysis Transplantation, 2009, 24, 2095-2101.	0.7	41
94	Insights into the association of <scp>G</scp>laâ€rich protein and osteoarthritis, novel splice variants and Î³â€carboxylation status. Molecular Nutrition and Food Research, 2014, 58, 1636-1646.	3.3	41
95	Pronounced Elevation of Undercarboxylated Osteocalcin in Healthy Children. Pediatric Research, 2007, 61, 366-370.	2.3	40
96	Vitamin K status is associated with childhood bone mineral content. British Journal of Nutrition, 2008, 100, 852-858.	2.3	40
97	Association of vitamin K status with adiponectin and body composition in healthy subjects: uncarboxylated osteocalcin is not associated with fat mass and body weight. British Journal of Nutrition, 2012, 108, 1017-1024.	2.3	40
98	The effect of Gla-containing proteins on the precipitation of insoluble salts. Biochemical and Biophysical Research Communications, 1987, 142, 113-119.	2.1	38
99	Matrix Gla Protein and Alkaline Phosphatase Are Differently Modulated in Human Dermal Fibroblasts from PXE Patients and Controls. Journal of Investigative Dermatology, 2013, 133, 946-954.	0.7	36
100	Effect of phylloquinone supplementation on biochemical markers of vitamin K status and bone turnover in postmenopausal women. British Journal of Nutrition, 2007, 97, 373-380.	2.3	33
101	Desphospho-uncarboxylated matrix Gla protein is a novel circulating biomarker predicting deterioration of renal function in the general population. Nephrology Dialysis Transplantation, 2018, 33, 1122-1128.	0.7	33
102	Vitamin Kâ€“Dependent Matrix Gla Protein as Multifaceted Protector of Vascular and Tissue Integrity. Hypertension, 2019, 73, 1160-1169.	2.7	33
103	Relation of circulating Matrix Gla-Protein and anticoagulation status in patients with aortic valve calcification. Thrombosis and Haemostasis, 2009, 101, 706-13.	3.4	33
104	Assessment of vitamin K deficiency in CFâ€”how much sophistication is useful?. Journal of Cystic Fibrosis, 2003, 2, 91-96.	0.7	32
105	Vitamin K Status and Lower Extremity Function in Older Adults: The Health Aging and Body Composition Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1348-1355.	3.6	32
106	Associations between Thyroid Hormones, Calcification Inhibitor Levels and Vascular Calcification in End-Stage Renal Disease. PLoS ONE, 2015, 10, e0132353.	2.5	31
107	Vitamin K deficiency: the linking pin between COPD and cardiovascular diseases?. Respiratory Research, 2017, 18, 189.	3.6	30
108	Gla-Rich Protein Is a Potential New Vitamin K Target in Cancer: Evidences for a Direct GRP-Mineral Interaction. BioMed Research International, 2014, 2014, 1-14.	1.9	29

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109	Low Vitamin K Status Is Associated with Increased Elastin Degradation in Chronic Obstructive Pulmonary Disease. Journal of Clinical Medicine, 2019, 8, 1116.	2.4	29
110	The association of uncarboxylated matrix Gla protein with mitral annular calcification differs by diabetes status: The Heart and Soul study. Atherosclerosis, 2010, 210, 320-325.	0.8	28
111	Vitamin K-dependent carboxylase Possible role for thioredoxin in the reduction of vitamin K metabolites in liver. FEBS Letters, 1987, 222, 353-357.	2.8	27
112	The relative effects of phylloquinone and menaquinone-4 on the blood coagulation factor synthesis in vitamin K-deficient rats. Biochemical Pharmacology, 1993, 46, 433-437.	4.4	27
113	Osteocalcin binds tightly to the Î³-glutamylcarboxylase at a site distinct from that of the other known vitamin K-dependent proteins. Biochemical Journal, 1999, 341, 265-269.	3.7	26
114	The in vivo effects of acenocoumarol, phenprocoumon and warfarin on vitamin K epoxide reductase and vitamin K-dependent carboxylase in various tissues of the rat. Biochimica Et Biophysica Acta - General Subjects, 1986, 884, 150-157.	2.4	25
115	Serum Osteocalcin as a Marker for Vitamin K-Status in Pregnant Women and Their Newborn Babies. Thrombosis and Haemostasis, 1992, 68, 388-391.	3.4	25
116	Effects of vitamin K and oral anticoagulants on urinary calcium excretion. British Journal of Haematology, 1993, 83, 100-104.	2.5	24
117	Effect of calcium, vitamins K 1 and D 3 on bone in galactosemia. Bone, 2006, 39, 1123-1129.	2.9	24
118	Circulating calcification inhibitors and vascular properties in children after renal transplantation. Pediatric Nephrology, 2008, 23, 985-993.	1.7	24
119	Vitamin K, osteoporosis and degenerative diseases of ageing. Menopause International, 2011, 17, 19-23.	1.6	24
120	Circulating species of matrix Gla protein and the risk of vascular calcification in healthy women. International Journal of Cardiology, 2013, 168, e168-e170.	1.7	24
121	The abnormal status of uncarboxylated matrix Gla protein species represents an additional mortality risk in heart failure patients with vascular disease. International Journal of Cardiology, 2016, 203, 916-922.	1.7	24
122	Vitamin K intake and all-cause and cause specific mortality. Clinical Nutrition, 2017, 36, 1294-1300.	5.0	24
123	Micronutrient status assessment in humans: Current methods of analysis and future trends. TrAC - Trends in Analytical Chemistry, 2018, 102, 110-122.	11.4	24
124	Decarboxylated bone Gla-protein as a substrate for hepatic vitamin K-dependent carboxylase. FEBS Letters, 1984, 165, 16-20.	2.8	23
125	Inactive Matrix Gla Protein, Arterial Stiffness, and Endothelial Function in African American Hemodialysis Patients. American Journal of Hypertension, 2018, 31, 735-741.	2.0	23
126	Vitamin K-Dependent Carboxylase: Increased Efficiency of the Carboxylation Reaction. Thrombosis and Haemostasis, 1987, 57, 077-081.	3.4	22

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127	The placental transport of [3H] vitamin K1in rats. British Journal of Haematology, 1987, 65, 335-338.	2.5	19
128	Gas6 protein: its role in cardiovascular calcification. BMC Nephrology, 2016, 17, 52.	1.8	18
129	Vitamin K-Dependent Carboxylase in Skin. Journal of Investigative Dermatology, 1986, 87, 377-380.	0.7	17
130	Osteocalcin binds tightly to the Î³-glutamylcarboxylase at a site distinct from that of the other known vitamin K-dependent proteins. Biochemical Journal, 1999, 341, 265.	3.7	17
131	Renal Handling of Matrix Gla-Protein in Humans with Moderate to Severe Hypertension. Hypertension Research, 2008, 31, 1745-1751.	2.7	17
132	Inactive matrix Gla protein is a novel circulating biomarker predicting retinal arteriolar narrowing in humans. Scientific Reports, 2018, 8, 15088.	3.3	17
133	Aldosterone, inactive matrix gla-protein, and large artery stiffness in hypertension. Journal of the American Society of Hypertension, 2018, 12, 681-689.	2.3	17
134	Warfarin-induced accumulation of vitamin K-dependent proteins comparison between hepatic and non-hepatic tissues. Biochemical and Biophysical Research Communications, 1983, 114, 991-997.	2.1	16
135	Vitamin K-Dependent and Vitamin K-Independent Hypocoagulant Effects of Dietary Fish Oil in Rats. Thrombosis Research, 2001, 104, 137-147.	1.7	16
136	Atypical presentation of pseudoxanthoma elasticum with abdominal cutis laxa: Evidence for a spectrum of ectopic calcification disorders?. American Journal of Medical Genetics, Part A, 2011, 155, 2855-2859.	1.2	16
137	Ectopic calcification in Î²-thalassemia patients is associated with increased oxidative stress and lower MGP carboxylation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2077-2084.	3.8	16
138	Yogurt drink fortified with menaquinone-7 improves vitamin K status in a healthy population. Journal of Nutritional Science, 2015, 4, e35.	1.9	16
139	Synergistic effect of low K and D vitamin status on arterial stiffness in a general population. Journal of Nutritional Biochemistry, 2017, 46, 83-89.	4.2	16
140	Matrix Gla Protein, Plaque Stability, and Cardiovascular Events in Patients with Severe Atherosclerotic Disease. Cardiology, 2018, 141, 32-36.	1.4	16
141	Intestinal, hepatic, and circulating vitamin K levels at low and high intakes of vitamin K in rats. British Journal of Nutrition, 2000, 83, 185-190.	2.3	15
142	Characteristics and composition of the vitamin K-dependent Î³-glutamyl carboxylase-binding domain on osteocalcin. Biochemical Journal, 2002, 364, 323-328.	3.7	15
143	The risk of nephrolithiasis is causally related to inactive matrix Gla protein, a marker of vitamin K status: a Mendelian randomization study in a Flemish population. Nephrology Dialysis Transplantation, 2018, 33, 514-522.	0.7	15
144	Central Hemodynamics in Relation to Circulating Desphosphoâ€Uncarboxylated Matrix Gla Protein: A Population Study. Journal of the American Heart Association, 2019, 8, e011960.	3.7	14

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145	Isoenzymes of vitamin-K-dependent carboxylase. BBA - Proteins and Proteomics, 1985, 830, 105-108.	2.1	13
146	Vitamin K-dependent carboxylase: effect of ammonium sulfate on substrate carboxylation and on inhibition by stereospecific substrate analogs. Biochimica Et Biophysica Acta - General Subjects, 1990, 1034, 11-16.	2.4	13
147	Osteocalcin detection in aging serum and whole blood: stability of different osteocalcin fractions. Clinica Chimica Acta, 1996, 256, 151-164.	1.1	13
148	Vitamin-K-Dependent Protection of the Renal Microvasculature: Histopathological Studies in Normal and Diseased Kidneys. Pulse, 2016, 4, 85-91.	1.9	13
149	Discovery of a Î³-carboxyglutamic acid-containing protein in human spermatozoa. FEBS Letters, 1985, 190, 137-141.	2.8	12
150	Vitamin K deficit and elastolysis theory in pulmonary elasto-degenerative diseases. Medical Hypotheses, 2017, 108, 38-41.	1.5	12
151	Circulating Receptor Activator of Nuclear Factor κB Ligand and triglycerides are associated with progression of lower limb arterial calcification in type 2 diabetes: a prospective, observational cohort study. Cardiovascular Diabetology, 2020, 19, 140.	6.8	12
152	Direct measurement of vitamin K-dependent enzymes in various isolated and cultured tumor and non-tumor cells. Molecular and Cellular Biochemistry, 1987, 75, 71-76.	3.1	11
153	Novel effects of diets enriched with corn oil or with an olive oil/sunflower oil mixture on vitamin K metabolism and vitamin K-dependent proteins in young men. Journal of Lipid Research, 2002, 43, 878-884.	4.2	11
154	Epidemiological and histological findings implicate matrix Gla protein in diastolic left ventricular dysfunction. PLoS ONE, 2018, 13, e0193967.	2.5	10
155	Characteristics of vitamin K-dependent carboxylating systems from human liver and placenta. FEBS Letters, 1982, 146, 365-368.	2.8	9
156	Vitamin K-dependent carboxylase: the carboxylation of exogenous substrates in different systems. BBA - Proteins and Proteomics, 1985, 831, 94-98.	2.1	9
157	Vitamin K reductases in normal and in warfarin-resistant rats. Biochemical Pharmacology, 1988, 37, 2876-2878.	4.4	9
158	Nutritional vitamin K-intake and urinary Î³-carboxyglutamate excretion in the rat. Biochimica Et Biophysica Acta - General Subjects, 1997, 1334, 44-50.	2.4	9
159	Evaluation of a Bead-based Enzyme Immunoassay for the Rapid Detection of Osteocalcin in Human Serum. Clinical Chemistry, 2000, 46, 252-257.	3.2	9
160	Synthesis of 2-methyl-1,4-naphthoquinones with higher gamma-glutamyl carboxylase activity than MK-4 both in vitro and in vivo. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 208-211.	2.2	9
161	Inactive matrix gla protein plasma levels are associated with peripheral neuropathy in Type 2 diabetes. PLoS ONE, 2020, 15, e0229145.	2.5	9
162	Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin or 2,2â€²,4,4â€²,5,5â€²-hexachloro-biphenyl on vitamin K-dependent blood coagulation in male and female WAG/rij-rats. Chemosphere, 1999, 38, 489-505.	8.2	8

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163	Formation of biogenic amines and vitamin K contents in the Norwegian autochthonous cheese Gamalost during ripening. Dairy Science and Technology, 2013, 93, 303-314.	2.2	8
164	Vitamin K2 in different bovine muscles and breeds. Meat Science, 2014, 97, 49-53.	5.5	8
165	Desphospho-Uncarboxylated Matrix-Gla Protein Is Increased Postoperatively in Cardiovascular Risk Patients. Nutrients, 2018, 10, 46.	4.1	8
166	Vitamin K-antagonistic effect of plastoquinone and ubiquinone derivatives in vitro. FEBS Letters, 1994, 338, 143-146.	2.8	7
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