Reinhold Vieth

List of Publications by Citations

126 papers	11,833 citations	51 h-index	108 g-index
130 ext. papers	12,930 ext. citations	5.5 avg, IF	6.49 L-index

#	Paper	IF	Citations
126	Vitamin D supplementation, 25-hydroxyvitamin D concentrations, and safety. *American Journal of Clinical Nutrition*, **1999**, 69, 842-56	7	1136
125	Risk assessment for vitamin D. *American Journal of Clinical Nutrition*, **2007**, 85, 6-18	7	652
124	The urgent need to recommend an intake of vitamin D that is effective. *American Journal of Clinical Nutrition*, **2007**, 85, 649-50	7	515
123	Efficacy and safety of vitamin D3 intake exceeding the lowest observed adverse effect level. *American Journal of Clinical Nutrition*, **2001**, 73, 288-94	7	482
122	Comparison of vitamin D2 and vitamin D3 supplementation in raising serum 25-hydroxyvitamin D status: a systematic review and meta-analysis. *American Journal of Clinical Nutrition*, **2012**, 95, 1357-64	7	446
121	The case against ergocalciferol (vitamin D2) as a vitamin supplement. *American Journal of Clinical Nutrition*, **2006**, 84, 694-7	7	409
120	Age-related changes in the 25-hydroxyvitamin D versus parathyroid hormone relationship suggest a different reason why older adults require more vitamin D. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 185-91	5.6	336
119	Effect of vitamin D replacement on musculoskeletal parameters in school children: a randomized controlled trial. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 405-12	5.6	291
118	Association of vitamin D with insulin resistance and beta-cell dysfunction in subjects at risk for type 2 diabetes. *Diabetes Care*, **2010**, 33, 1379-81	14.6	240
117	Clinical, environmental, and genetic determinants of multiple sclerosis in children with acute demyelination: a prospective national cohort study. *Lancet Neurology, The*, **2011**, 10, 436-45	24.1	234
116	Evidence for genetic regulation of vitamin D status in twins with multiple sclerosis. *American Journal of Clinical Nutrition*, **2008**, 88, 441-7	7	192
115	Why the optimal requirement for Vitamin D3 is probably much higher than what is officially recommended for adults. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 575-9	5.1	180
114	Safety of vitamin D3 in adults with multiple sclerosis. *American Journal of Clinical Nutrition*, **2007**, 86, 645-51	7	175
113	Vitamin D toxicity, policy, and science. *Journal of Bone and Mineral Research*, **2007**, 22 Suppl 2, V64-8	6.3	170
112	Common genetic variants of the vitamin D binding protein (DBP) predict differences in response of serum 25-hydroxyvitamin D [25(OH)D] to vitamin D supplementation. *Clinical Biochemistry*, **2009**, 42, 1174-7	3.5	164
111	Randomized comparison of the effects of the vitamin D3 adequate intake versus 100 mcg (4000 IU) per day on biochemical responses and the wellbeing of patients. *Nutrition Journal*, **2004**, 3, 8	4.3	163
110	Rationale and Plan for Vitamin D Food Fortification: A Review and Guidance Paper. *Frontiers in Endocrinology*, **2018**, 9, 373	5.7	159

109	Comparison of daily, weekly, and monthly vitamin D3 in ethanol dosing protocols for two months in elderly hip fracture patients. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 3430-5	5.6	155
108	A986S polymorphism of the calcium-sensing receptor and circulating calcium concentrations. *Lancet, The*, **1999**, 353, 112-5	40	154
107	What is the optimal vitamin D status for health?. *Progress in Biophysics and Molecular Biology*, **2006**, 92, 26-32	4.7	150
106	A prospective nested case-control study of vitamin D status and pancreatic cancer risk in male smokers. *Cancer Research*, **2006**, 66, 10213-9	10.1	143
105	An evaluation of automated methods for measurement of serum 25-hydroxyvitamin D. *Clinical Biochemistry*, **2009**, 42, 1549-56	3.5	142
104	The mechanisms of vitamin D toxicity. *Bone and Mineral*, **1990**, 11, 267-72		139
103	Vitamin D and seasonal fluctuations of gadolinium-enhancing magnetic resonance imaging lesions in multiple sclerosis. *Annals of Neurology*, **2000**, 48, 271-272	9.4	132
102	Supplemental Vitamins and Minerals for CVD Prevention and Treatment. *Journal of the American College of Cardiology*, **2018**, 71, 2570-2584	15.1	127
101	Evidence-based criteria in the nutritional context. *Nutrition Reviews*, **2010**, 68, 478-84	6.4	124
100	The ratio of serum 24,25-dihydroxyvitamin D(3) to 25-hydroxyvitamin D(3) is predictive of 25-hydroxyvitamin D(3) response to vitamin D(3) supplementation. *Journal of Steroid Biochemistry and Molecular Biology*, **2011**, 126, 72-7	5.1	123
99	Short- and long-term safety of weekly high-dose vitamin D3 supplementation in school children. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 2693-701	5.6	111
98	Vitamin K supplementation in postmenopausal women with osteopenia (ECKO trial): a randomized controlled trial. *PLoS Medicine*, **2008**, 5, e196	11.6	111
97	Prospective associations of vitamin D with cell function and glycemia: the PROspective Metabolism and ISlet cell Evaluation (PROMISE) cohort study. *Diabetes*, **2011**, 60, 2947-53	0.9	103
96	Critique of the considerations for establishing the tolerable upper intake level for vitamin D: critical need for revision upwards. *Journal of Nutrition*, **2006**, 136, 1117-22	4.1	100
95	Association of 25(OH)D and PTH with metabolic syndrome and its traditional and nontraditional components. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, 168-75	5.6	95
94	Vitamin D: a growing perspective. *Critical Reviews in Clinical Laboratory Sciences*, **2008**, 45, 339-414	9.4	92
93	Adjunctive vitamin D for treatment of active tuberculosis in India: a randomised, double-blind, placebo-controlled trial. *Lancet Infectious Diseases, The*, **2015**, 15, 528-34	25.5	91
92	Bone mineral density by age, gender, pubertal stages, and socioeconomic status in healthy Lebanese children and adolescents. *Bone*, **2004**, 35, 1169-79	4.7	90

91	Efficacy of vitamin D3 as add-on therapy in patients with relapsing-remitting multiple sclerosis receiving subcutaneous interferon β1a: a Phase II, multicenter, double-blind, randomized, placebo-controlled trial. *Journal of the Neurological Sciences*, **2011**, 311, 44-9	3.2	88
90	Long-term effects of giving nursing home residents bread fortified with 125 microg (5000 IU) vitamin D(3) per daily serving. *American Journal of Clinical Nutrition*, **2009**, 89, 1132-7	7	80
89	Low wintertime vitamin D levels in a sample of healthy young adults of diverse ancestry living in the Toronto area: associations with vitamin D intake and skin pigmentation. *BMC Public Health*, **2008**, 8, 336	4.1	79
88	Vitamin D3 fortification and quantification in processed dairy products. *International Dairy Journal*, **2007**, 17, 753-759	3.5	79
87	Seasonal prevalence of vitamin D deficiency in institutionalized older adults. *Journal of the American Geriatrics Society*, **1997**, 45, 598-603	5.6	76
86	Tumor suppressor microRNAs, miR-100 and -125b, are regulated by 1,25-dihydroxyvitamin D in primary prostate cells and in patient tissue. *Cancer Prevention Research*, **2013**, 6, 483-94	3.2	73
85	How to optimize vitamin D supplementation to prevent cancer, based on cellular adaptation and hydroxylase enzymology. *Anticancer Research*, **2009**, 29, 3675-84	2.3	72
84	Association between total serum calcium and the A986S polymorphism of the calcium-sensing receptor gene. *Molecular Genetics and Metabolism*, **2001**, 72, 168-74	3.7	71
83	Randomized clinical trial of vitamin D3 doses on prostatic vitamin D metabolite levels and ki67 labeling in prostate cancer patients. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, 1498-507	5.6	70
82	Sex differences in the effect of body-composition variables on bone mass in healthy children and adolescents. *American Journal of Clinical Nutrition*, **2004**, 80, 1428-35	7	69
81	The bioavailability of vitamin D from fortified cheeses and supplements is equivalent in adults. *Journal of Nutrition*, **2008**, 138, 1365-71	4.1	65
80	Pilot study: potential role of vitamin D (Cholecalciferol) in patients with PSA relapse after definitive therapy. *Nutrition and Cancer*, **2005**, 51, 32-6	2.8	64
79	Cholecalciferol plus calcium suppresses abnormal PBMC reactivity in patients with multiple sclerosis. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, 2826-34	5.6	59
78	Vitamin D and calcium intakes and breast cancer risk in pre- and postmenopausal women. *American Journal of Clinical Nutrition*, **2010**, 91, 1699-707	7	57
77	Serum 25-hydroxyvitamin D concentrations fluctuate seasonally in young adults of diverse ancestry living in Toronto. *Journal of Nutrition*, **2010**, 140, 2213-20	4.1	50
76	Vitamin D poisoning by table sugar. *Lancet, The*, **2002**, 359, 672	40	45
75	Relationship between vitamin D during perinatal development and health. *Journal of Midwifery and Womens Health*, **2010**, 55, 550-60	2.2	44
74	Effect of vitamin D supplementation on oral glucose tolerance in individuals with low vitamin D status and increased risk for developing type 2 diabetes (EVIDENCE): A double-blind, randomized, placebo-controlled clinical trial. *Diabetes, Obesity and Metabolism*, **2017**, 19, 133-141	6.7	43

73	Serum 25-hydroxyvitamin D is a predictor of serum 1,25-dihydroxyvitamin D in overweight and obese patients. *Journal of Nutrition*, **2011**, 141, 112-7	4.1	43
72	Vitamin D and cancer mini-symposium: the risk of additional vitamin D. *Annals of Epidemiology*, **2009**, 19, 441-5	6.4	43
71	The development and evaluation of a food frequency questionnaire used in assessing vitamin D intake in a sample of healthy young Canadian adults of diverse ancestry. *Nutrition Research*, **2009**, 29, 255-61	4	42
70	Vitamin D association with estradiol and progesterone in young women. *Cancer Causes and Control*, **2010**, 21, 479-83	2.8	39
69	Vitamin D from dietary intake and sunlight exposure and the risk of hormone-receptor-defined breast cancer. *American Journal of Epidemiology*, **2008**, 168, 915-24	3.8	39
68	Vitamin D3 fortification, quantification, and long-term stability in Cheddar and low-fat cheeses. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 7964-9	5.7	38
67	Cod liver oil, vitamin A toxicity, frequent respiratory infections, and the vitamin D deficiency epidemic. *Annals of Otology, Rhinology and Laryngology*, **2008**, 117, 864-70	2.1	38
66	Randomized trial of daily high-dose vitamin D in patients with RRMS receiving subcutaneous interferon β1a. *Neurology*, **2019**, 93, e1906-e1916	6.5	37
65	The role of vitamin D in the prevention of osteoporosis. *Annals of Medicine*, **2005**, 37, 278-85	1.5	37
64	Prospective association of 25(OH)D with metabolic syndrome. *Clinical Endocrinology*, **2014**, 80, 502-7	3.4	36
63	Differential expression and regulation of vitamin D hydroxylases and inflammatory genes in prostate stroma and epithelium by 1,25-dihydroxyvitamin D in men with prostate cancer and an in vitro model. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 148, 156-65	5.1	36
62	Why "Vitamin D" is not a hormone, and not a synonym for 1,25-dihydroxy-vitamin D, its analogs or deltanoids. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 571-3	5.1	36
61	The Pharmacology of Vitamin D, Including Fortification Strategies **2005**, 995-1015		35
60	Low dietary calcium reduces 25-hydroxycholecalciferol in plasma of rats. *Journal of Nutrition*, **1987**, 117, 914-8	4.1	35
59	Alleles of the estrogen receptor alpha-gene and an estrogen receptor cotranscriptional activator gene, amplified in breast cancer-1 (AIB1), are associated with quantitative calcaneal ultrasound. *Journal of Bone and Mineral Research*, **2000**, 15, 2231-9	6.3	27
58	Evaluation of a 1,25-dihydroxyvitamin D enzyme immunoassay. *Clinical Chemistry*, **2007**, 53, 1104-8	5.5	25
57	Improved cholecalciferol nutrition in rats is noncalcemic, suppresses parathyroid hormone and increases responsiveness to 1, 25-dihydroxycholecalciferol. *Journal of Nutrition*, **2000**, 130, 578-84	4.1	24
56	Effect of vitamin D replacement on hip structural geometry in adolescents: a randomized controlled trial. *Bone*, **2013**, 56, 296-303	4.7	23

55	Vitamin D in congestive heart failure. *American Journal of Clinical Nutrition*, **2006**, 83, 731-2	7	22
54	Vitamin D Nutrition and its Potential Health Benefits for Bone, Cancer and Other Conditions. *Journal of Nutritional and Environmental Medicine*, **2001**, 11, 275-291		22
53	Longitudinal study of vitamin D metabolites after long bone fracture. *Journal of Bone and Mineral Research*, **2013**, 28, 1301-7	6.3	21
52	Self-prescribed high-dose vitamin D3: effects on biochemical parameters in two men. *Annals of Clinical Biochemistry*, **2008**, 45, 106-10	2.2	21
51	Species differences in the binding kinetics of 25-hydroxyvitamin D3 to vitamin D binding protein. *Canadian Journal of Physiology and Pharmacology*, **1990**, 68, 1368-71	2.4	21
50	microRNAs and DICER1 are regulated by 1,25-dihydroxyvitamin D in prostate stroma. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 167, 192-202	5.1	20
49	Vitamin D supplementation: cholecalciferol, calcifediol, and calcitriol. *European Journal of Clinical Nutrition*, **2020**, 74, 1493-1497	5.2	18
48	A comparison of automated methods for the quantitation of serum 25-hydroxyvitamin D and 1,25-dihydroxyvitamin D. *Clinical Biochemistry*, **2007**, 40, 1305-10	3.5	16
47	25-hydroxyvitamin D metabolism in the sheep fetus and lamb. *Pediatric Research*, **1980**, 14, 360-3	3.2	15
46	Determination of 1,25-dihydroxyvitamin D concentrations in human colon tissues and matched serum samples. *Anticancer Research*, **2012**, 32, 259-63	2.3	14
45	125I-RIA kit cannot distinguish vitamin D deficiency as well as a more specific assay for 25-hydroxyvitamin D. *Clinical Biochemistry*, **1995**, 28, 175-9	3.5	13
44	Supplemental Vitamins and Minerals for Cardiovascular Disease Prevention and Treatment: JACC Focus Seminar. *Journal of the American College of Cardiology*, **2021**, 77, 423-436	15.1	13
43	25-Hydroxyvitamin D variability within-person due to diurnal rhythm and illness: a case report. *Journal of Medical Case Reports*, **2019**, 13, 29	1.2	12
42	Photography tank for continuous development of thin-layer chromatographic plates. *Analytical Chemistry*, **1978**, 50, 2150-2152	7.8	12
41	Urinary calcium response to high dose vitamin D3 with calcium supplementation in patients with multiple sclerosis. *Clinical Biochemistry*, **2011**, 44, 930-2	3.5	11
40	Regulation of sodium, calcium and vitamin D metabolism in Dahl rats on a high-salt/low-potassium diet: genetic and neural influences. *Clinical and Experimental Pharmacology and Physiology*, **2000**, 27, 378-83	3	11
39	Effects of Vitamin D on Bone and Natural Selection of Skin Color: How Much Vitamin D Nutrition are We Talking About? **2003**, 139-154		11
38	Effect of re-irradiation for painful bone metastases on urinary markers of osteoclast activity (NCIC CTG SC.20U). *Radiotherapy and Oncology*, **2015**, 115, 141-8	5.3	10

37	Unusually prolonged vitamin D intoxication after discontinuation of vitamin D: possible role of primary hyperparathyroidism. *International Urology and Nephrology*, **2008**, 40, 801-5	2.3	10
36	Dairy products, calcium, and prostate cancer risk in the PhysiciansRHealth Study. *American Journal of Clinical Nutrition*, **2002**, 76, 490-1; author reply 491	7	10
35	Tracer kinetics and actions of oral and intraperitoneal 1,25-dihydroxyvitamin D3 administration in rats. *Kidney International*, **1990**, 38, 857-61	9.9	10
34	The IOMEndocrine Society Controversy on Recommended Vitamin D Targets: In Support of the Endocrine Society Position **2018**, 1091-1107		9
33	Vitamin D insufficiency: no recommended dietary allowance exists for this nutrient. *Cmaj*, **2002**, 166, 1541-2	3.5	9
32	Implications for 25-hydroxyvitamin D testing of public health policies about the benefits and risks of vitamin D fortification and supplementation. *Scandinavian Journal of Clinical and Laboratory Investigation, Supplement*, **2012**, 243, 144-53		9
31	A Randomized Double-Blind Placebo-Controlled Trial of the Effect of Vitamin D Supplementation on Breast Density in Premenopausal Women. *Cancer Epidemiology Biomarkers and Prevention*, **2017**, 26, 1233-1241	4	8
30	Moderate vitamin D3 supplementation lowers serum 1,25-dihydroxy-vitamin D3 in rats. *Nutrition Research*, **1995**, 15, 725-731	4	8
29	Randomized window of opportunity trial evaluating high-dose vitamin D in breast cancer patients. *Breast Cancer Research and Treatment*, **2019**, 178, 347-356	4.4	6
28	Direct haplotyping at the vitamin D receptor locus improves genetic resolution. *Journal of Bone and Mineral Research*, **1997**, 12, 494-5	6.3	6
27	Inhibition of alkaline phosphatase by cysteine: implications for calcium pyrophosphate dihydrate crystal deposition disease. *Journal of Rheumatology*, **2007**, 34, 1313-22	4.1	6
26	Bioavailability and Safety of Vitamin D3 from Pizza Baked with Fortified Mozzarella Cheese: A Randomized Controlled Trial. *Canadian Journal of Dietetic Practice and Research*, **2015**, 76, 109-16	1.3	5
25	Comparison of self-reported lifetime sun exposure with two methods of cutaneous microtopography. *American Journal of Epidemiology*, **2007**, 165, 222-30	3.8	5
24	Vitamin D and seasonal fluctuations of gadolinium-enhancing magnetic resonance imaging lesions in multiple sclerosis **2000**, 48, 271		5
23	Sunbeds with UVB radiation can produce physiological levels of serum 25-Hydroxyvitamin D in healthy volunteers. *Dermato-Endocrinology*, **2017**, 9, e1375635		4
22	Experimentally observed vitamin D requirements are higher than extrapolated ones. *American Journal of Clinical Nutrition*, **2009**, 90, 1114-5; author reply 1115-6	7	4
21	Inaccuracies in relating 25-hydroxyvitamin D to ischemic heart disease. *European Journal of Epidemiology*, **2003**, 18, 461-2	12.1	4
20	Weaker bones and white skin as adaptions to improve anthropological "fitness" for northern environments. *Osteoporosis International*, **2020**, 31, 617-624	5.3	4

19	Reply to J Hathcock and I Munro. *American Journal of Clinical Nutrition*, **2001**, 74, 866-867	7	3
18	Lack of generalizable evidence of the superiority of alfacalcidol over plain vitamin D in the treatment of glucocorticoid-induced osteoporosis: comment on the article by Ringe et al. *Rheumatology International*, **2004**, 24, 250-1	3.6	2
17	Vitamin D ingestion and changes to rat aorta. *Cardiovascular Research*, **2002**, 56, 323-4; author reply 325	9.9	2
16	Reply to FAJ Muskiet et al. *American Journal of Clinical Nutrition*, **2001**, 74, 863-864	7	2
15	Novel fluorescent compound (DDP) in calf, rabbit, and human articular cartilage and synovial fluid. *Journal of Rheumatology*, **2002**, 29, 154-60	4.1	2
14	Presystemic 24-hydroxylation of oral 25-hydroxyvitamin D3 in rats. *Journal of Bone and Mineral Research*, **1990**, 5, 1177-82	6.3	1
13	Was it inappropriate to give patients with osteoporosis calcitriol instead of vitamin D?. *Journal of the American Geriatrics Society*, **2008**, 56, 575-6; author reply 576-7	5.6	1
12	A Phase I/II Dose-Escalation Trial of Vitamin D3 with Calcium Supplementation in Patients with Multiple Sclerosis. *FASEB Journal*, **2008**, 22, 157.2	0.9	1
11	The Paleolithic Nutrition Model in Relation to Ultraviolet Light and Vitamin D. *Advances in Experimental Medicine and Biology*, **2020**, 1268, 409-419	3.6	1
10	Neither human nor mouse is hypercalcaemic with 250 nmol/l 25-hydroxyvitamin D. *Brain*, **2020**, 143, e9	11.2	1
9	Evaluation of automated methods for quantifying serum 25-hydroxyvitamin D. *FASEB Journal*, **2008** , 22, 693-693	0.9	
8	Randomized controlled trial comparing the bioavailability of vitamin D3 from fortified Cheddar cheese, fortified low-fat cheese, and supplement. *FASEB Journal*, **2008**, 22, 693-693	0.9	
7	Serum 25-Hydroxyvitamin-D and Prostate Cancer U-Shaped Risk Curves-Does Latitude Play A Role? A Meta-Analysis of Case-Control Studies. *FASEB Journal*, **2015**, 29, 758.12	0.9	
6	Serum 25-hydroxyvitamin D as a determinant of multiple sclerosis outcome following a pediatric demyelinating event. *FASEB Journal*, **2009**, 23, 345.8	0.9	
5	Seasonal variation in vitamin D status in healthy young adults of different ancestry in the Toronto area. *FASEB Journal*, **2009**, 23, LB483	0.9	
4	Vitamin D-Casein fortification of cheese and its bioavailability. *FASEB Journal*, **2012**, 26, 1019.4	0.9	
3	High-dose oral vitamin D3 administration increases serum and prostate levels of vitamin D metabolites safely in prostate cancer patients. *FASEB Journal*, **2012**, 26, 388.5	0.9	
2	Hypercalcemia and a "no observed adverse effect level" intake of vitamin D. *Cmaj*, **2019**, 191, E768	3.5	

1	A cartilage derived novel compound DDP (2,6-dimethyldifuro-8-pyrone): isolation, purification, and identification. *Journal of Rheumatology*, **2002**, 29, 147-53	4.1