

William D Fraser

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

6,362
citations

94415

37
h-index

69246

77
g-index

116
all docs

116
docs citations

116
times ranked

9691
citing authors

#	ARTICLE	IF	CITATIONS
1	Vitamin D and acute and severe illness – a mechanistic and pharmacokinetic perspective. Nutrition Research Reviews, 2023, 36, 23-38.	4.1	4
2	Prevalence and Determinants of Vitamin D Deficiency in 1825 Cape Town Primary Schoolchildren: A Cross-Sectional Study. Nutrients, 2022, 14, 1263.	4.1	8
3	Age and vitamin D affect the magnitude of the antibody response to the first dose of the SARS-CoV-2 BNT162b2 vaccine. Current Research in Translational Medicine, 2022, 70, 103344.	1.8	22
4	Sex differences in tibial adaptations to arduous training: An observational cohort study. Bone, 2022, 160, 116426.	2.9	10
5	Vitamin D and the hepatitis B vaccine response: a prospective cohort study and a randomized, placebo-controlled oral vitamin D3 and simulated sunlight supplementation trial in healthy adults. European Journal of Nutrition, 2021, 60, 475-491.	3.9	28
6	Failure of national antenatal vitamin D supplementation programme puts dark skinned infants at highest risk: A newborn bloodspot screening study. Clinical Nutrition, 2021, 40, 3542-3551.	5.0	11
7	The nutritional and cardiovascular health benefits of rapeseed oil-fed farmed salmon in humans are not decreased compared with those of traditionally farmed salmon: a randomized controlled trial. European Journal of Nutrition, 2021, 60, 2063-2075.	3.9	4
8	Performance of SARS-CoV-2 serology tests: Are they good enough?. PLoS ONE, 2021, 16, e0245914.	2.5	13
9	Bone metabolic marker concentrations across the menstrual cycle and phases of combined oral contraceptive use. Bone, 2021, 145, 115864.	2.9	10
10	Low-Dose Vitamin D3 Supplementation Does Not Affect Natural Regulatory T Cell Population but Attenuates Seasonal Changes in T Cell-Produced IFN- γ : Results From the D-SIRe2 Randomized Controlled Trial. Frontiers in Immunology, 2021, 12, 623087.	4.8	8
11	A Three-Year Longitudinal Study Comparing Bone Mass, Density, and Geometry Measured by DXA, pQCT, and Bone Turnover Markers in Children with PKU Taking L-Amino Acid or Glycomacropeptide Protein Substitutes. Nutrients, 2021, 13, 2075.	4.1	7
12	Effect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trial. Circulation, 2021, 143, 2418-2427.	1.6	61
13	Co-trimoxazole to reduce mortality, transplant, or unplanned hospitalisation in people with moderate to very severe idiopathic pulmonary fibrosis: the EME-TIPAC RCT. Efficacy and Mechanism Evaluation, 2021, 8, 1-110.	0.7	1
14	Performance of the Abbott SARS-CoV-2 IgG II Quantitative Antibody Assay Including the New Variants of Concern, VOC 202012/V1 (United Kingdom) and VOC 202012/V2 (South Africa), and First Steps towards Global Harmonization of COVID-19 Antibody Methods. Journal of Clinical Microbiology, 2021, 59, e0028821.	3.9	38
15	Teriparatide and stress fracture healing in young adults (RETURN – Research on Efficacy of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10 controlled trial. Trials, 2021, 22, 580.	1.6	6
16	764–Ethnic and seasonal variation in bloodspot vitamin D at birth. , 2021, , .		0
17	Soluble interleukin-2 receptor in exhaled breath condensate in pulmonary sarcoidosis: a cross-sectional pilot study. Journal of Breath Research, 2021, 15, 016016.	3.0	4
18	Supplementary Energy Increases Bone Formation during Arduous Military Training. Medicine and Science in Sports and Exercise, 2021, 53, 394-403.	0.4	13

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19	The P2RX7B splice variant modulates osteosarcoma cell behaviour and metastatic properties. Journal of Bone Oncology, 2021, 31, 100398.	2.4	14
20	The combined effect of permeation enhancement and proteolysis inhibition on the systemic exposure of orally administrated peptides: Salcaprozate sodium, soybean trypsin inhibitor, and teriparatide study in pigs. International Journal of Pharmaceutics: X, 2021, 3, 100097.	1.6	5
21	Changing from a Western to a Mediterranean-style diet does not affect iron or selenium status: results of the New Dietary Strategies Addressing the Specific Needs of the Elderly Population for Healthy Aging in Europe (NU-AGE) 1-year randomized clinical trial in elderly Europeans. American Journal of Clinical Nutrition, 2020, 111, 98-109.	4.7	12
22	A Rare Mutation in <i>SMAD9</i> Associated With High Bone Mass Identifies the SMAD-Dependent BMP Signaling Pathway as a Potential Anabolic Target for Osteoporosis. Journal of Bone and Mineral Research, 2020, 35, 92-105.	2.8	34
23	Metabolomics analysis in adults with high bone mass identifies a relationship between bone resorption and circulating citrate which replicates in the general population. Clinical Endocrinology, 2020, 92, 29-37.	2.4	14
24	Vitamin D Measurement, the Debates Continue, New Analytes Have Emerged, Developments Have Variable Outcomes. Calcified Tissue International, 2020, 106, 3-13.	3.1	41
25	Targeting the MAPK7/MMP9 axis for metastasis in primary bone cancer. Oncogene, 2020, 39, 5553-5569.	5.9	20
26	Characteristics of Early Paget's Disease in <i>SQSTM1</i> Mutation Carriers: Baseline Analysis of the <i>ZIPP</i> Study Cohort. Journal of Bone and Mineral Research, 2020, 35, 1246-1252.	2.8	12
27	Metformin to reduce metabolic complications and inflammation in patients on systemic glucocorticoid therapy: a randomised, double-blind, placebo-controlled, proof-of-concept, phase 2 trial. Lancet Diabetes and Endocrinology, the, 2020, 8, 278-291.	11.4	60
28	Safety and Efficacy of Oral Human Parathyroid Hormone (1-34) in Hypoparathyroidism: An Open-Label Study. Journal of Bone and Mineral Research, 2020, 36, 1060-1068.	2.8	7
29	Effect of Co-trimoxazole (Trimethoprim-Sulfamethoxazole) vs Placebo on Death, Lung Transplant, or Hospital Admission in Patients With Moderate and Severe Idiopathic Pulmonary Fibrosis. JAMA - Journal of the American Medical Association, 2020, 324, 2282.	7.4	32
30	Studies of mice deleted for Sox3 and uc482: relevance to X-linked hypoparathyroidism. Endocrine Connections, 2020, 9, 173-186.	1.9	3
31	Post-exercise carbohydrate and energy availability induce independent effects on skeletal muscle cell signalling and bone turnover: implications for training adaptation. Journal of Physiology, 2019, 597, 4779-4796.	2.9	43
32	Clinical Guidelines on Paget's Disease of Bone. Journal of Bone and Mineral Research, 2019, 34, 2327-2329.	2.8	43
33	The Effect of Short-Term Vitamin D Supplementation on Calcium Status in Vitamin D Insufficient Renal Transplant Recipients at Risk of Hypercalcemia. , 2019, 29, 181-187.		3
34	The dynamic relationships between the active and catabolic vitamin D metabolites, their ratios, and associations with PTH. Scientific Reports, 2019, 9, 6974.	3.3	35
35	Skeletal macro- and microstructure adaptations in men undergoing arduous military training. Bone, 2019, 125, 54-60.	2.9	36
36	Molecular insights into an ancient form of Paget's disease of bone. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10463-10472.	7.1	24

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37	A Metabolic Screen in Adolescents Reveals an Association Between Circulating Citrate and Cortical Bone Mineral Density. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1306-1313.	2.8	5
38	Diagnosis and Management of Paget's Disease of Bone in Adults: A Clinical Guideline. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 579-604.	2.8	102
39	The effects of collagen peptides on muscle damage, inflammation and bone turnover following exercise: a randomized, controlled trial. <i>Amino Acids</i> , 2019, 51, 691-704.	2.7	47
40	Zoledronate in the prevention of Paget's (ZiPP): protocol for a randomised trial of genetic testing and targeted zoledronic acid therapy to prevent SQSTM1-mediated Paget's disease of bone. <i>BMJ Open</i> , 2019, 9, e030689.	1.9	15
41	Maternally expressed, paternally imprinted, embryonic non-coding RNA are expressed in osteosarcoma, Ewing sarcoma and spindle cell sarcoma. <i>Pathology</i> , 2019, 51, 113-116.	0.6	1
42	25-Hydroxyvitamin D Threshold for the Effects of Vitamin D Supplements on Bone Density: Secondary Analysis of a Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1464-1469.	2.8	92
43	SNPs in the vicinity of P2X7R, RANK/RANKL/OPG and Wnt signalling pathways and their association with bone phenotypes in academy footballers. <i>Bone</i> , 2018, 108, 179-185.	2.9	15
44	Identification of a novel loss-of-function PHEX mutation, Ala720Ser, in a sporadic case of adult-onset hypophosphatemic osteomalacia. <i>Bone</i> , 2018, 106, 30-34.	2.9	8
45	The association of novel polymorphisms with stress fracture injury in Elite Athletes: Further insights from the SFEA cohort. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 564-568.	1.3	20
46	Influence of Vitamin D Supplementation by Sunlight or Oral D3 on Exercise Performance. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2555-2564.	0.4	47
47	Vitamin D to Prevent Lung Injury Following Esophagectomy—A Randomized, Placebo-Controlled Trial*. <i>Critical Care Medicine</i> , 2018, 46, e1128-e1135.	0.9	45
48	Bone metabolic responses to low energy availability achieved by diet or exercise in active eumenorrheic women. <i>Bone</i> , 2018, 114, 181-188.	2.9	43
49	A Mediterranean-like dietary pattern with vitamin D3 (10 µg/d) supplements reduced the rate of bone loss in older Europeans with osteoporosis at baseline: results of a 1-y randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 633-640.	4.7	46
50	Increased Training Volume Improves Bone Density and Cortical Area in Adolescent Football Players. <i>International Journal of Sports Medicine</i> , 2017, 38, 341-346.	1.7	37
51	Long-Term Randomized Trial of Intensive Versus Symptomatic Management in Paget's Disease of Bone: The PRISM-EZ Study. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1165-1173.	2.8	50
52	miR-16 is highly expressed in Paget's associated osteosarcoma. <i>Endocrine-Related Cancer</i> , 2017, 24, L27-L31.	3.1	7
53	Reference intervals for serum 24,25-dihydroxyvitamin D and the ratio with 25-hydroxyvitamin D established using a newly developed LC-MS/MS method. <i>Journal of Nutritional Biochemistry</i> , 2017, 46, 21-29.	4.2	82
54	β-alanine supplementation improves in-vivo fresh and fatigued skeletal muscle relaxation speed. <i>European Journal of Applied Physiology</i> , 2017, 117, 867-879.	2.5	14

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55	The Reply. American Journal of Medicine, 2017, 130, e457.	1.5	0
56	MicroRNA expression in a phosphaturic mesenchymal tumour. Bone Reports, 2017, 7, 63-69.	0.4	7
57	Effects of reduced energy availability on bone metabolism in women and men. Bone, 2017, 105, 191-199.	2.9	101
58	Monitoring guidance for patients with hypophosphatasia treated with asfotase alfa. Molecular Genetics and Metabolism, 2017, 122, 4-17.	1.1	84
59	Vitamin D status in chronic fatigue syndrome/myalgic encephalomyelitis: a cohort study from the North-West of England. BMJ Open, 2017, 7, e015296.	1.9	13
60	Autoantibodies to Osteoprotegerin are Associated with Low Hip Bone Mineral Density and History of Fractures in Axial Spondyloarthritis: A Cross-Sectional Observational Study. Calcified Tissue International, 2017, 101, 375-383.	3.1	25
61	Soy Reduces Bone Turnover Markers in Women During Early Menopause: A Randomized Controlled Trial. Journal of Bone and Mineral Research, 2017, 32, 157-164.	2.8	45
62	Harmonization Study Between ^{125}I -LC-MS/MS and Diasorin ^{125}I -RIA for Measurement of 25-Hydroxyvitamin D Concentrations in a Large Population Survey. Journal of Clinical Laboratory Analysis, 2017, 31, e22049.	2.1	13
63	Heavy Cannabis Use Is Associated With Low Bone Mineral Density and an Increased Risk of Fractures. American Journal of Medicine, 2017, 130, 214-221.	1.5	56
64	Vitamin D and Skeletal Muscle Regeneration: A Systems Approach. Japanese Journal of Physical Fitness and Sports Medicine, 2016, 65, 157-157.	0.0	0
65	Transfer RNA-derived small RNAs in the cancer transcriptome. Pflugers Archiv European Journal of Physiology, 2016, 468, 1041-1047.	2.8	52
66	LC-MS/MS application for urine free pyridinoline and free deoxypyridinoline: Urine markers of collagen and bone degradation. Clinical Mass Spectrometry, 2016, 1, 11-18.	1.9	11
67	Mutations in Known Monogenic High Bone Mass Loci Only Explain a Small Proportion of High Bone Mass Cases. Journal of Bone and Mineral Research, 2016, 31, 640-649.	2.8	38
68	c-Fos induction by gut hormones and extracellular ATP in osteoblastic-like cell lines. Purinergic Signalling, 2016, 12, 647-651.	2.2	11
69	Increased density and periosteal expansion of the tibia in young adult men following short-term arduous training. Bone, 2016, 88, 13-19.	2.9	39
70	How Accurate is Your Sclerostin Measurement? Comparison Between Three Commercially Available Sclerostin ELISA Kits. Calcified Tissue International, 2016, 98, 546-555.	3.1	33
71	The effect of 14 weeks of vitamin D ₃ supplementation on antimicrobial peptides and proteins in athletes. Journal of Sports Sciences, 2016, 34, 67-74.	2.0	43
72	Functional polymorphisms in the P2X7 receptor gene are associated with stress fracture injury. Purinergic Signalling, 2016, 12, 103-113.	2.2	31

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73	Role of <i>miR-140</i> in embryonic bone development and cancer. <i>Clinical Science</i> , 2015, 129, 863-873.	4.3	24
74	An improved protocol for small RNA library construction using High Definition adapters. <i>Methods in Next Generation Sequencing</i> , 2015, 2, .	1.5	14
75	Effect of carbohydrate feeding on the bone metabolic response to running. <i>Journal of Applied Physiology</i> , 2015, 119, 824-830.	2.5	42
76	A systems-based investigation into vitamin D and skeletal muscle repair, regeneration, and hypertrophy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E1019-E1031.	3.5	113
77	Associations of vitamin D pathway genes with circulating 25-hydroxyvitamin-D, 1,25-dihydroxyvitamin-D, and prostate cancer: a nested case-control study. <i>Cancer Causes and Control</i> , 2015, 26, 205-218.	1.8	33
78	Vitamin D deficiency contributes directly to the acute respiratory distress syndrome (ARDS). <i>Thorax</i> , 2015, 70, 617-624.	5.6	258
79	The Calcilytic Agent NPS 2143 Rectifies Hypocalcemia in a Mouse Model With an Activating Calcium-Sensing Receptor (CaSR) Mutation: Relevance to Autosomal Dominant Hypocalcemia Type 1 (ADH1). <i>Endocrinology</i> , 2015, 156, 3114-3121.	2.8	55
80	RANK/RANKL/OPG pathway: Genetic associations with stress fracture period prevalence in elite athletes. <i>Bone</i> , 2015, 71, 131-136.	2.9	33
81	Influence of Vitamin D Metabolites on Plasma Cytokine Concentrations in Endurance Sport Athletes and on Multiantigen Stimulated Cytokine Production by Whole Blood and Peripheral Blood Mononuclear Cell Cultures. <i>ISRN Nutrition</i> , 2014, 2014, 1-9.	1.7	14
82	Does Bone Resorption Stimulate Periosteal Expansion? A Cross-Sectional Analysis of $\delta^{12}\text{C}$ -telopeptides of Type I Collagen (CTX), Genetic Markers of the RANKL Pathway, and Periosteal Circumference as Measured by pQCT. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1015-1024.	2.8	24
83	National Osteoporosis Society Vitamin D Guideline Summary. <i>Age and Ageing</i> , 2014, 43, 592-595.	1.6	152
84	Vitamin D status and ill health. <i>Lancet Diabetes and Endocrinology</i> , 2014, 2, e8-e9.	11.4	8
85	Birth weight is positively related to bone size in adolescents but inversely related to cortical bone mineral density: Findings from a large prospective cohort study. <i>Bone</i> , 2014, 65, 77-82.	2.9	11
86	Vitamin D Assays: Past and Present Debates, Difficulties, and Developments. <i>Calcified Tissue International</i> , 2013, 92, 118-127.	3.1	131
87	Bone and Calcium Metabolism. , 2013, , 705-720.		1
88	Calculated free and bioavailable vitamin D metabolite concentrations in vitamin D-deficient hip fracture patients after supplementation with cholecalciferol and ergocalciferol. <i>Bone</i> , 2013, 56, 271-275.	2.9	36
89	Efficacy and safety of recombinant human parathyroid hormone (1-84) in hypoparathyroidism (REPLACE): a double-blind, placebo-controlled, randomised, phase 3 study. <i>Lancet Diabetes and Endocrinology</i> , 2013, 1, 275-283.	11.4	244
90	Measurement of Circulating 25-Hydroxy Vitamin D Using Three Commercial Enzyme-Linked Immunosorbent Assay Kits with Comparison to Liquid Chromatography: Tandem Mass Spectrometry Method. <i>ISRN Nutrition</i> , 2013, 2013, 1-6.	1.7	27

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91	Polymorphisms in the P2X7 receptor gene are associated with low lumbar spine bone mineral density and accelerated bone loss in post-menopausal women. <i>European Journal of Human Genetics</i> , 2012, 20, 559-564.	2.8	63
92	The role of exercise intensity in the bone metabolic response to an acute bout of weight-bearing exercise. <i>Journal of Applied Physiology</i> , 2011, 110, 423-432.	2.5	102
93	The Effects of Sampling Procedures and Storage Conditions on Short-term Stability of Blood-Based Biochemical Markers of Bone Metabolism. <i>Clinical Chemistry</i> , 2011, 57, 138-140.	3.2	45
94	Genome-wide association study identifies variants at CSF1, OPTN and TNFRSF11A as genetic risk factors for Paget's disease of bone. <i>Nature Genetics</i> , 2010, 42, 520-524.	21.4	258
95	The Effect of Training Status on the Metabolic Response of Bone to an Acute Bout of Exhaustive Treadmill Running. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 3918-3925.	3.6	80
96	Common genetic determinants of vitamin D insufficiency: a genome-wide association study. <i>Lancet</i> , The, 2010, 376, 180-188.	13.7	1,385
97	Standardization of vitamin D assays: art or science?. <i>Annals of Clinical Biochemistry</i> , 2009, 46, 3-4.	1.6	18
98	Serum 25-hydroxyvitamin D levels in vitamin D-insufficient hip fracture patients after supplementation with ergocalciferol and cholecalciferol. <i>Bone</i> , 2009, 45, 870-875.	2.9	89
99	Hyperparathyroidism. <i>Lancet</i> , The, 2009, 374, 145-158.	13.7	830
100	The Burden of Osteoporosis and the Case for Disease Management. <i>Disease Management and Health Outcomes</i> , 2004, 12, 409-418.	0.4	8
101	The physiology of the circadian rhythm of parathyroid hormone and its potential as a treatment for osteoporosis. <i>Current Opinion in Nephrology and Hypertension</i> , 2004, 13, 437-444.	2.0	40
102	Lipodystrophy in Patients with HIV-1 Infection: Effect of Stopping Protease Inhibitors on Tnf- α and Tnf-Receptor Levels, and on Metabolic Parameters. <i>Antiviral Therapy</i> , 2004, 9, 879-887.	1.0	6
103	Issues of methodology, standardization and metabolite recognition for 25-hydroxyvitamin D when comparing the DiaSorin radioimmunoassay and the Nichols Advantage automated chemiluminescence protein-binding assay in hip fracture cases. <i>Annals of Clinical Biochemistry</i> , 2003, 40, 546-551.	1.6	66
104	Pathogenesis, prevention and treatment of transplant-associated osteoporosis. <i>The Journal of the British Menopause Society</i> , 2001, 7, 9-14.	1.3	0
105	Body composition and quality of life in adults with growth hormone deficiency; effects of low-dose growth hormone replacement. <i>Clinical Endocrinology</i> , 2001, 54, 709-717.	2.4	58
106	Cytokine expression by cultured osteoblasts from patients with osteoporotic fractures. <i>International Journal of Experimental Pathology</i> , 2001, 81, 159-163.	1.3	14
107	Analysis of the Contribution of Dydrogesterone to Bone Turnover Changes in Postmenopausal Women Commencing Hormone Replacement Therapy ¹ . <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 1194-1198.	3.6	2
108	Circadian and Ultradian Rhythm and Leptin Pulsatility in Adult GH Deficiency: Effects of GH Replacement. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 3499-3506.	3.6	28

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109	Circadian and Ultradian Rhythm and Leptin Pulsatility in Adult GH Deficiency: Effects of GH Replacement. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 3499-3506.	3.6	6
110	Parathyroid hormone-related protein in the aetiology of fibrous dysplasia of bone in the McCune Albright syndrome. Clinical Endocrinology, 2000, 53, 621-628.	2.4	19
111	Constitutive co-expression of estrogen and progesterone receptor mRNA in human meningiomas by RT-PCR and response of in vitro cell cultures to steroid hormones. International Journal of Cancer, 1997, 72, 714-719.	5.1	36
112	RT-PCR DETECTION OF CYTOKINE TRANSCRIPTS IN A SERIES OF CULTURED HUMAN MENINGIOMAS. , 1996, 178, 442-446.		12
113	Acute effects of intravenous 1 α -hydroxycholecalciferol on parathyroid hormone, osteocalcin and calcitriol in man. European Journal of Endocrinology, 1994, 130, 141-145.	3.7	10
114	Constitutive co-expression of estrogen and progesterone receptor mRNA in human meningiomas by RT-PCR and response of in vitro cell cultures to steroid hormones. , 0, .		1
115	UK national chronic hypoparathyroidism audit. Clinical Endocrinology, 0, , .	2.4	2