David Fraser

List of Publications by Year in Descending Order

95 papers	5,427 citations	33 h-index	73 g-index
99 ext. papers	5,869 ext. citations	7.5 avg, IF	5.32 L-index

#	Paper	IF	Citations
95	Vitamin D toxicity related to its physiological and unphysiological supply. *Trends in Endocrinology and Metabolism*, **2021**, 32, 929-940	8.8	5
94	Is it reasonable to ignore vitamin D status for musculoskeletal health?. *Faculty Reviews*, **2020**, 9, 19	1.2	0
93	Skeletal Muscle and the Maintenance of Vitamin D Status. *Nutrients*, **2020**, 12,	6.7	7
92	Tracking Veterinary Students Who Aspire to Careers in Science. *Journal of Veterinary Medical Education*, **2020**, 47, 100-105	1.3	2
91	In vivo measurement of strontium absorption from the rumen of dairy cows as an index of calcium absorption capacity. *Journal of Dairy Science*, **2019**, 102, 5699-5705	4	8
90	Why did the dinosaurs become extinct? Could cholecalciferol (vitamin D) deficiency be the answer?. *Journal of Nutritional Science*, **2019**, 8, e9	2.7	
89	The Role of Skeletal Muscle in Maintaining Vitamin D Status in Winter. *Current Developments in Nutrition*, **2019**, 3, nzz087	0.4	17
88	Metabolic and production responses to calcidiol treatment in mid-lactation dairy cows. *Animal Production Science*, **2019**, 59, 449	1.4	5
87	Associations between bone and energy metabolism in cows fed diets differing in level of dietary cation-anion difference and supplemented with cholecalciferol or calcidiol. *Journal of Dairy Science*, **2018**, 101, 6581-6601	4	6
86	Evolutionary Biology: Mysteries of Vitamin D in Fish **2018**, 13-27		3
85	1,25-Dihydroxycholecalciferol (calcitriol) modifies uptake and release of 25-hydroxycholecalciferol in skeletal muscle cells in culture. *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 177, 109-115	5.1	18
84	Sunlight exposure is just one of the factors which influence vitamin D status. *Photochemical and Photobiological Sciences*, **2017**, 16, 302-313	4.2	28
83	The effect of parathyroid hormone on the uptake and retention of 25-hydroxyvitamin D in skeletal muscle cells. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 173, 173-179	5.1	23
82	Vocational choices made by alumni of the Leadership Program for Veterinary Students at Cornell University. *Journal of the American Veterinary Medical Association*, **2016**, 249, 759-64	1	2
81	Reprint of "The origin and metabolism of vitamin D in rainbow trout". *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 148, 298-304	5.1	2
80	The origin and metabolism of vitamin D in rainbow trout. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 145, 58-64	5.1	22
79	Effect of dietary potassium supplementation on the calcium absorption capacity in the rumen and abomasum and fractional excretion of urinary minerals in sheep. *Animal Production Science*, **2015**, 55, 508	1.4	11

78	Vitamin D deficiency and energy metabolism. *Endocrinology*, **2015**, 156, 1933-5	4.8	6
77	Calcium transport in bovine rumen epithelium as affected by luminal Ca concentrations and Ca sources. *Physiological Reports*, **2015**, 3, e12615	2.6	13
76	New data for vitamin D in Australian foods of animal origin: impact on estimates of national adult vitamin D intakes in 1995 and 2011-13. *Asia Pacific Journal of Clinical Nutrition*, **2015**, 24, 464-71	1	20
75	Uptake of 25-hydroxyvitamin D by muscle and fat cells. *Journal of Steroid Biochemistry and Molecular Biology*, **2014**, 144 Pt A, 232-6	5.1	42
74	Influencing the future: interactions of skeleton, energy, protein and calcium during late gestation and early lactation. *Animal Production Science*, **2014**, 54, 1177	1.4	26
73	Differences in peripartal plasma parameters related to calcium homeostasis of dairy sheep and goats in comparison with cows. *Journal of Dairy Research*, **2014**, 81, 325-32	1.6	8
72	In vivo measurement of the absorption of strontium in the rumen and small intestine of sheep as an index of calcium absorption capacity. *British Journal of Nutrition*, **2014**, 112, 718-24	3.6	5
71	The vitamin D receptor (VDR) is expressed in skeletal muscle of male mice and modulates 25-hydroxyvitamin D (25OHD) uptake in myofibers. *Endocrinology*, **2014**, 155, 3227-37	4.8	131
70	The influence of latitude on the concentration of vitamin D3 and 25-hydroxy-vitamin D3 in Australian red meat. *Food Chemistry*, **2013**, 140, 432-5	8.5	25
69	Hypertension, pulse, and other cardiovascular risk factors and vitamin D status in Finnish men. *American Journal of Hypertension*, **2013**, 26, 951-6	2.3	27
68	Culture and sun exposure in immigrant East Asian women living in Australia. *Women and Health*, **2013**, 53, 504-18	1.7	36
67	Vitamin D status is associated with sun exposure, vitamin D and calcium intake, acculturation and attitudes in immigrant East Asian women living in Sydney. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 136, 214-7	5.1	20
66	Is the metabolism of 25-hydroxyvitamin D3 age-dependent in dairy cows?. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 136, 44-6	5.1	7
65	Evidence for a specific uptake and retention mechanism for 25-hydroxyvitamin D (25OHD) in skeletal muscle cells. *Endocrinology*, **2013**, 154, 3022-30	4.8	79
64	In contrast to sheep, goats adapt to dietary calcium restriction by increasing intestinal absorption of calcium. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2012**, 163, 396-406	2.6	33
63	Vitamin D-dependent non-type 1, non-type 2 rickets in a 3-month-old Cornish Rex kitten. *Journal of Feline Medicine and Surgery*, **2011**, 13, 526-31	2.3	7
62	Diabetes prevalence is associated with serum 25-hydroxyvitamin D and 1,25-dihydroxyvitamin D in US middle-aged Caucasian men and women: a cross-sectional analysis within the Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial. *British Journal of Nutrition*, **2011**, 106, 339-44	3.6	26
61	Predictors of vitamin D biochemical status in a large sample of middle-aged male smokers in Finland. *European Journal of Clinical Nutrition*, **2010**, 64, 280-8	5.2	33

60	The association between dietary protein intake and bone mass accretion in pubertal girls with low calcium intakes. *British Journal of Nutrition*, **2010**, 103, 714-23	3.6	20
59	Low vitamin D status is associated with physical inactivity, obesity and low vitamin D intake in a large US sample of healthy middle-aged men and women. *Journal of Steroid Biochemistry and Molecular Biology*, **2010**, 121, 462-6	5.1	159
58	Carryover effects of potassium supplementation on calcium homeostasis in dairy cows at parturition. *Journal of Dairy Science*, **2010**, 93, 2119-29	4	7
57	UK Food Standards Agency Workshop Report: an investigation of the relative contributions of diet and sunlight to vitamin D status. *British Journal of Nutrition*, **2010**, 104, 603-11	3.6	87
56	Relationship between vitamin D status, body composition and physical exercise of adolescent girls in Beijing. *Osteoporosis International*, **2009**, 20, 417-25	5.3	90
55	Low vitamin D status has an adverse influence on bone mass, bone turnover, and muscle strength in Chinese adolescent girls. *Journal of Nutrition*, **2009**, 139, 1002-7	4.1	114
54	Growth and bone mineral accretion during puberty in Chinese girls: a five-year longitudinal study. *Journal of Bone and Mineral Research*, **2008**, 23, 167-72	6.3	27
53	Career paths of alumni of the Cornell Leadership Program for veterinary students. *Veterinary Record*, **2008**, 163, 750-6	0.9	1
52	Acquainting veterinary students with careers in the pharmaceutical industry. *Journal of Veterinary Medical Education*, **2007**, 34, 139-42	1.3	1
51	Influence of body composition, muscle strength, diet and physical activity on total body and forearm bone mass in Chinese adolescent girls. *British Journal of Nutrition*, **2007**, 98, 1281-7	3.6	41
50	Exploration of possible mechanisms linking vitamin D status and dietary calcium to prostate cancer. *British Journal of Nutrition*, **2007**, 97, 596-7	3.6	8
49	Effects of diet and exercise on plasma vitamin D (25(OH)D) levels in Vietnamese immigrant elderly in Sydney, Australia. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 103, 786-92	5.1	54
48	Counseling veterinary students who aspire to careers in science. *Journal of the American Veterinary Medical Association*, **2006**, 229, 668-71	1	5
47	Promoting science-based careers through student-directed learning. *Journal of Veterinary Medical Education*, **2006**, 33, 294-8	1.3	3
46	Growth, bone mass, and vitamin D status of Chinese adolescent girls 3 y after withdrawal of milk supplementation. *American Journal of Clinical Nutrition*, **2006**, 83, 714-21	7	62
45	Effects of school milk intervention on cortical bone accretion and indicators relevant to bone metabolism in Chinese girls aged 10-12 y in Beijing. *American Journal of Clinical Nutrition*, **2005**, 81, 1168-75	7	64
44	Effects of school-milk intervention on growth and bone mineral accretion in Chinese girls aged 10-12 years: accounting for cluster randomisation. *British Journal of Nutrition*, **2005**, 94, 1038-9	3.6	22
43	Vitamin D-deficiency in Asia. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 491-5	5.1	72

42	School-milk intervention trial enhances growth and bone mineral accretion in Chinese girls aged 10-12 years in Beijing. *British Journal of Nutrition*, **2004**, 92, 159-68	3.6	188
41	Bone mass in Chinese premenarcheal girls: the roles of body composition, calcium intake and physical activity. *British Journal of Nutrition*, **2004**, 92, 985-93	3.6	22
40	Low body weight and its association with bone health and pubertal maturation in Chinese girls. *European Journal of Clinical Nutrition*, **2003**, 57, 693-700	5.2	7
39	An exercise in leadership training for veterinary students aiming for careers in biomedical research. *Journal of Veterinary Medical Education*, **2002**, 29, 162-6	1.3	5
38	The Cornell Leadership Program for Veterinary Students. *Journal of Veterinary Medical Education*, **2002**, 29, 157-61	1.3	6
37	Changes with malnutrition in the concentration of plasma vitamin D binding protein in growing rats. *British Journal of Nutrition*, **2002**, 88, 133-139	3.6	63
36	Milk consumption and bone mineral content in Chinese adolescent girls. *Bone*, **2002**, 30, 521-8	4.7	56
35	Changes with malnutrition in the concentration of plasma vitamin D binding protein in growing rats. *British Journal of Nutrition*, **2002**, 88, 133-9	3.6	5
34	Vitamin D deficiency and associated factors in adolescent girls in Beijing. *American Journal of Clinical Nutrition*, **2001**, 74, 494-500	7	152
33	The requirement for natural sunlight to prevent vitamin D deficiency in iguanian lizards. *Journal of Zoo and Wildlife Medicine*, **2001**, 32, 342-8	0.9	20
32	Seasonal vitamin D status of Greyhounds in Sydney. *Australian Veterinary Journal*, **1999**, 77, 35-8	1.2	13
31	Lipid peroxidation status as an index to evaluate the influence of dietary fats on vitamin E requirements of young pigs. *British Journal of Nutrition*, **1996**, 75, 81-95	3.6	22
30	Vitamin D. *Lancet, The*, **1995**, 345, 104-7	40	148
29	Effect of calcium deficiency on vitamin D metabolism. *Advances in Experimental Medicine and Biology*, **1994**, 352, 237-41	3.6	3
28	Bone mineral content of British and rural Gambian women aged 18-80+ years. *Bone and Mineral*, **1991**, 12, 201-14		55
27	Breast-milk calcium concentrations during prolonged lactation in British and rural Gambian mothers. *Acta Paediatrica, International Journal of Paediatrics*, **1990**, 79, 507-12	3.1	62
26	Bone mineral content of Gambian and British children aged 0-36 months. *Bone and Mineral*, **1990**, 10, 211-24		60
25	Vitamin D supply to the rat fetus and neonate. *Journal of Clinical Investigation*, **1988**, 81, 1768-73	15.9	71

24	Calcium-Regulating Hormones: Vitamin D. *ILSI Human Nutrition Reviews*, **1988**, 27-41		4
23	Metabolic inactivation of vitamin D is enhanced in primary hyperparathyroidism. *Clinical Science*, **1987**, 73, 659-64	6.5	112
22	A new mechanism for induced vitamin D deficiency in calcium deprivation. *Nature*, **1987**, 325, 62-5	50.4	279
21	Enterohepatic circulation of vitamin D: a reappraisal of the hypothesis. *Lancet, The*, **1984**, 1, 1376-9	40	63
20	The physiological economy of vitamin D. *Lancet, The*, **1983**, 1, 969-72	40	72
19	Effect of dietary cereals on intestinal permeability in experimental enteropathy in rats. *Gut*, **1983**, 24, 825-30	19.2	7
18	Mitochondrial Ca2+ transport in lean and genetically obese (ob/ob) mice. *Biochemical Journal*, **1983**, 214, 163-70	3.8	15
17	Assessment of intestinal permeability in the experimental rat with [3H]cellobiotol and [14C]mannitol. *Clinical Science*, **1982**, 63, 311-6	6.5	13
16	The metabolic origin of trigonelline in the rat. *Biochemical Journal*, **1981**, 200, 495-500	3.8	8
15	Measurement of niacin metabolites in urine by high pressure liquid chromatography. A simple, sensitive assay of niacin nutritional status. *International Journal for Vitamin and Nutrition Research*, **1981**, 51, 139-44	1.7	2
14	Vitamin D plasma binding protein. Turnover and fate in the rabbit. *Journal of Clinical Investigation*, **1981**, 67, 1550-60	15.9	58
13	Regulation of the metabolism of vitamin D. *Physiological Reviews*, **1980**, 60, 551-613	47.9	293
12	The effect of pyridoxine deficiency on lysyl oxidase activity in the chick. *Experimental and Molecular Pathology*, **1978**, 28, 301-8	4.4	36
11	Vitamin D in the avian egg. Its molecular identity and mechanism of incorporation into yolk. *Biochemical Journal*, **1976**, 160, 671-82	3.8	55
10	Advances in the knowledge of the metabolism of vitamin D. *Proceedings of the Nutrition Society*, **1975**, 34, 139-43	2.9	11
9	Advances in the Knowledge of the Metabolism of Vitamin D. *Clinical Science and Molecular Medicine* , **1975**, 48, 10P-10P		
8	Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney by parathyroid hormone. *Nature: New Biology*, **1973**, 241, 163-6		354
7	Identification of 1,25-dihydroxycholecalciferol, a new kidney hormone controlling calcium metabolism. *Nature*, **1971**, 230, 228-30	50.4	408

6	Unique biosynthesis by kidney of a biological active vitamin D metabolite. *Nature*, **1970**, 228, 764-6	50.4	1083
5	The metabolism and biological activity of esterified vitamin D in the rat. *British Journal of Nutrition*, **1969**, 23, 135-40	3.6	6
4	Investigations on vitamin D esters synthesized rats. Detection and identification. *Biochemical Journal*, **1968**, 106, 485-90		20
3	Investigations on vitamin D esters synthesized in rats. Turnover and sites of synthesis. *Biochemical Journal*, **1968**, 106, 491-6		14
2	Enzyme studies on the esterification of vitamin D in rat tissues. *Biochemical Journal*, **1968**, 109, 457-67		10
1	Conformational similarities of vitamin D and cholesterol as enzyme substrates. *Nature*, **1968**, 220, 1031-2	50.4	5