

Barbara J Boucher

List of Publications by Year in descending order

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121
papers

6,606
citations

81900

39
h-index

62596

80
g-index

123
all docs

123
docs citations

123
times ranked

7194
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal vitamin D status during pregnancy and childhood bone mass at age 9 years: a longitudinal study. <i>Lancet, The</i> , 2006, 367, 36-43.	13.7	707
2	The urgent need to recommend an intake of vitamin D that is effective. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 649-650.	4.7	591
3	Baseline Serum 25-Hydroxy Vitamin D Is Predictive of Future Glycemic Status and Insulin Resistance. <i>Diabetes</i> , 2008, 57, 2619-2625.	0.6	525
4	Circulating MMP9, vitamin D and variation in the TIMP-1 response with VDR genotype: mechanisms for inflammatory damage in chronic disorders?. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2002, 95, 787-796.	0.5	405
5	25-Hydroxyvitamin D, IGF-1, and Metabolic Syndrome at 45 Years of Age. <i>Diabetes</i> , 2008, 57, 298-305.	0.6	341
6	Vitamin D Receptor (VDR) mRNA and VDR Protein Levels in Relation to Vitamin D Status, Insulin Secretory Capacity, and VDR Genotype in Bangladeshi Asians. <i>Diabetes</i> , 2002, 51, 2294-2300.	0.6	243
7	Metabolic effects of the consumption of <i>Areca catechu</i> . <i>Addiction Biology</i> , 2002, 7, 103-110.	2.6	220
8	Inadequate vitamin D status: does it contribute to the disorders comprising syndrome "X"? <i>British Journal of Nutrition</i> , 1998, 79, 315-327.	2.3	214
9	Vitamin D insufficiency is common in Indian mothers but is not associated with gestational diabetes or variation in newborn size. <i>European Journal of Clinical Nutrition</i> , 2009, 63, 646-652.	2.9	209
10	Allelic variation in the vitamin D receptor influences susceptibility to IDDM in Indian Asians. <i>Diabetologia</i> , 1997, 40, 971-975.	6.3	156
11	1,25-dihydroxyvitamin D ₃ inhibits matrix metalloproteinases induced by <i>Mycobacterium tuberculosis</i> infection. <i>Immunology</i> , 2009, 127, 539-548.	4.4	141
12	Vitamin D receptor gene polymorphisms influence insulin secretion in Bangladeshi Asians. <i>Diabetes</i> , 1998, 47, 688-690.	0.6	125
13	Maternal vitamin D status during pregnancy and body composition and cardiovascular risk markers in Indian children: the Mysore Parthenon Study. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 628-635.	4.7	120
14	Vitamin D and chronic diseases: the current state of the art. <i>Archives of Toxicology</i> , 2017, 91, 97-107.	4.2	108
15	Vitamin D Insufficiency and Diabetes Risks. <i>Current Drug Targets</i> , 2011, 12, 61-87.	2.1	107
16	Glucose intolerance is associated with altered calcium homeostasis: A possible link between increased serum calcium concentration and cardiovascular disease mortality. <i>Metabolism: Clinical and Experimental</i> , 1997, 46, 1171-1177.	3.4	98
17	Maternal Dietary Patterns During Pregnancy and Childhood Bone Mass: A Longitudinal Study. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 663-668.	2.8	97
18	A population-based study of the association between betel-quid chewing and the metabolic syndrome in men. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 1153-1160.	4.7	96

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19	Relationship of vitamin D status to adult lung function and COPD. <i>Thorax</i> , 2011, 66, 692-698.	5.6	95
20	Sex differences in the foetal pelvis. <i>American Journal of Physical Anthropology</i> , 1957, 15, 581-600.	2.1	93
21	A population-based study of the association between areca nut chewing and Type 2 diabetes mellitus in men (Keelung Community-based Integrated Screening programme No. 2). <i>Diabetologia</i> , 2004, 47, 1776-1781.	6.3	88
22	Do studies reporting U-shaped serum 25-hydroxyvitamin D health outcome relationships reflect adverse effects?. <i>Dermato-Endocrinology</i> , 2016, 8, e1187349.	1.8	86
23	Association of vitamin D status with knee pain and radiographic knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2011, 19, 1301-1306.	1.3	83
24	Why vitamin D clinical trials should be based on 25-hydroxyvitamin D concentrations. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 266-269.	2.5	82
25	Hypovitaminosis D is associated with reductions in serum apolipoprotein A-I but not with fasting lipids in British Bangladeshis. <i>American Journal of Clinical Nutrition</i> , 2005, 82, 517-522.	4.7	73
26	Transgenerational effects of betel-quid chewing on the development of the metabolic syndrome in the Keelung Community-based Integrated Screening Program. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 688-692.	4.7	71
27	A novel role for vitamin D: modulation of expression and function of the local renin-angiotensin system in mouse pancreatic islets. <i>Diabetologia</i> , 2011, 54, 2077-2081.	6.3	66
28	Intake of Dairy Products in Relation to Periodontitis in Older Danish Adults. <i>Nutrients</i> , 2012, 4, 1219-1229.	4.1	63
29	Modulation of hypovitaminosis D-induced islet dysfunction and insulin resistance through direct suppression of the pancreatic islet renin-angiotensin system in mice. <i>Diabetologia</i> , 2013, 56, 553-562.	6.3	61
30	Adiposity, vitamin D requirements, and clinical implications for obesity-related metabolic abnormalities. <i>Nutrition Reviews</i> , 2018, 76, 678-692.	5.8	61
31	Avoidance of vitamin D deficiency in pregnancy in the United Kingdom: the case for a unified approach in National policy. <i>British Journal of Nutrition</i> , 2010, 104, 309-314.	2.3	54
32	Vitamin D Metabolism in Peripheral Blood Mononuclear Cells Is Influenced by Chewing Betel Nut (Areca catechu) and Vitamin D Status. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 2612-2617.	3.6	51
33	Impact of chewing betel-nut (<i>Areca catechu</i>) on liver cirrhosis and hepatocellular carcinoma: a population-based study from an area with a high prevalence of hepatitis B and C infections. <i>Public Health Nutrition</i> , 2009, 12, 129-135.	2.2	50
34	Expression of 25-hydroxyvitamin D-1-hydroxylase mRNA in individuals with colorectal cancer. <i>Lancet</i> , 2002, 359, 1831-1832.	13.7	49
35	Are Hill's criteria for causality satisfied for vitamin D and periodontal disease?. <i>Dermato-Endocrinology</i> , 2010, 2, 30-36.	1.8	45
36	Calcium, vitamin D, casein and whey protein intakes and periodontitis among Danish adults. <i>Public Health Nutrition</i> , 2016, 19, 503-510.	2.2	45

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37	The problems of vitamin d insufficiency in older people. , 2012, 3, 313-29.		44
38	A Narrative Review of the Evidence for Variations in Serum 25-Hydroxyvitamin D Concentration Thresholds for Optimal Health. <i>Nutrients</i> , 2022, 14, 639.	4.1	42
39	Why do so many trials of vitamin D supplementation fail?. <i>Endocrine Connections</i> , 2020, 9, R195-R206.	1.9	41
40	Randomized controlled trials of vitamin D and cancer incidence: A modeling study. <i>PLoS ONE</i> , 2017, 12, e0176448.	2.5	40
41	Is vitamin D status relevant to metabolic syndrome?. <i>Dermato-Endocrinology</i> , 2012, 4, 212-224.	1.8	36
42	Predicting ambient ultraviolet from routine meteorological data; its potential use as an instrumental variable for vitamin D status in pregnancy in a longitudinal birth cohort in the UK. <i>International Journal of Epidemiology</i> , 2009, 38, 1681-1688.	1.9	33
43	Hypovitaminosis D is associated with reductions in serum apolipoprotein A-I but not with fasting lipids in British Bangladeshis. <i>American Journal of Clinical Nutrition</i> , 2005, 82, 517-522.	4.7	31
44	Seasonal variations of U.S. mortality rates: Roles of solar ultraviolet-B doses, vitamin D, gene expression, and infections. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 173, 5-12.	2.5	30
45	Association between fasting glucose and C-reactive protein in middle-aged subjects. <i>Diabetic Medicine</i> , 2005, 22, 508-509.	2.3	27
46	Requirements for Vitamin D Across the Life Span. <i>Biological Research for Nursing</i> , 2011, 13, 120-133.	1.9	26
47	Differential Effects of Oral Boluses of Vitamin D2 vs Vitamin D3 on Vitamin D Metabolism: A Randomized Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5831-5839.	3.6	26
48	Longer Duration and Earlier Age of Onset of Paternal Betel Chewing and Smoking Increase Metabolic Syndrome Risk in Human Offspring, Independently, in a Community-Based Screening Program in Taiwan. <i>Circulation</i> , 2016, 134, 392-404.	1.6	25
49	Hypovitaminosis D is associated with insulin resistance and β^2 cell dysfunction. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 1666.	4.7	24
50	Hospital admissions for asthma and chronic obstructive airways disease in East London hospitals and proximity of residence to main roads. <i>Journal of Epidemiology and Community Health</i> , 2000, 54, 75-76.	3.7	22
51	Vitamin D and type 2 diabetes. <i>Primary Care Diabetes</i> , 2009, 3, 115-116.	1.8	21
52	Why Secondary Analyses in Vitamin D Clinical Trials Are Important and How to Improve Vitamin D Clinical Trial Outcome Analyses—A Comment on “Extra-Skeletal Effects of Vitamin D, <i>Nutrients</i> 2019, 11, 1460” <i>Nutrients</i> , 2019, 11, 2182.	4.1	19
53	Intakes of calcium, vitamin D, and dairy servings and dental plaque in older Danish adults. <i>Nutrition Journal</i> , 2013, 12, 61.	3.4	16
54	Metabolic Acidosis and Other Determinants of Hemoglobin-Oxygen Dissociation in Severe Childhood <i>Plasmodium falciparum</i> Malaria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 256-260.	1.4	16

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55	An Exploration of How Solar Radiation Affects the Seasonal Variation of Human Mortality Rates and the Seasonal Variation in Some Other Common Disorders. <i>Nutrients</i> , 2022, 14, 2519.	4.1	15
56	Vitamin D status as a predictor of Covid-19 risk in Black, Asian and other ethnic minority groups in the UK. <i>Diabetes/Metabolism Research and Reviews</i> , 2020, 36, e3375.	4.0	14
57	Hypovitaminosis D and risk of Type 2 diabetes in British South Asians. <i>Diabetic Medicine</i> , 2006, 23, 336-336.	2.3	13
58	The 2010 recommendations of the American Institute of Medicine for daily intakes of vitamin D. <i>Public Health Nutrition</i> , 2011, 14, 740-740.	2.2	13
59	Letter to the Editor. <i>International Journal of Cancer</i> , 2001, 91, 592-592.	5.1	12
60	Vitamin D status and its management for achieving optimal health benefits in the elderly. <i>Expert Review of Endocrinology and Metabolism</i> , 2018, 13, 279-293.	2.4	12
61	The emerging evidence for non-skeletal health benefits of vitamin D supplementation in adults. <i>Nature Reviews Endocrinology</i> , 2022, 18, 323-323.	9.6	12
62	Serum Retinol Levels and Fracture Risk. <i>New England Journal of Medicine</i> , 2003, 348, 1927-1928.	27.0	11
63	A Review of the Potential Benefits of Increasing Vitamin D Status in Mongolian Adults through Food Fortification and Vitamin D Supplementation. <i>Nutrients</i> , 2019, 11, 2452.	4.1	11
64	Vitamin D Deficiency May Contribute to the Explanation of the Link Between Chronic Periodontitis and Erectile Dysfunction. <i>Journal of Sexual Medicine</i> , 2013, 10, 2353-2354.	0.6	10
65	Sunlight – a dilemma. <i>Lancet, The</i> , 2001, 357, 961.	13.7	9
66	Inverse correlation between serum free IGF-1 and IGFBP-3 levels and blood pressure in patients affected with type 1 diabetes by Capoluongo et al.. <i>Cytokine</i> , 2007, 37, 181-182.	3.2	9
67	Calcium supplements may increase the risk of cardiovascular events in postmenopausal women. <i>Evidence-Based Medicine</i> , 2012, 17, 16-17.	0.6	9
68	Low vitamin D status likely contributes to the link between periodontal disease and breast cancer. <i>Breast Cancer Research and Treatment</i> , 2011, 128, 907-908.	2.5	8
69	Interactions between uncoupling protein 2 gene polymorphisms, obesity and alcohol intake on liver function: a large meta-analysed population-based study. <i>European Journal of Endocrinology</i> , 2015, 173, 863-872.	3.7	7
70	Areca catechu-(Betel-nut)-induced whole transcriptome changes in a human monocyte cell line that may have relevance to diabetes and obesity; a pilot study. <i>BMC Endocrine Disorders</i> , 2021, 21, 165.	2.2	7
71	Diabetes and cancer: Could vitamin D provide the link?. <i>Journal of Diabetes and Its Complications</i> , 2013, 27, 184-190.	2.3	6
72	Comment on: Gale EAM (2005) Spring harvest? Reflections on the rise of type 1 diabetes. <i>Diabetologia</i> 48:2245-2250; and Walker M, Mari A, Jayapaul MK et al (2005) Impaired beta cell glucose sensitivity and whole-body insulin sensitivity as predictors of hyperglycaemia in non-diabetic subjects. <i>Diabetologia</i> 48:2470-2476. <i>Diabetologia</i> , 2006, 49, 1129-1130.	6.3	5

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73	Does vitamin D status contribute to caveolin-1-mediated insulin sensitivity in skeletal muscle?. <i>Diabetologia</i> , 2009, 52, 2240-2240.	6.3	5
74	Eating Fish and Risk of Type 2 Diabetes: A Population-Based, Prospective Follow-Up Study: Comment on van Woudenbergh et al.. <i>Diabetes Care</i> , 2010, 33, e125-e125.	8.6	5
75	Matrix metalloproteinase-10 and microvascular complications of type 1 diabetes: might vitamin D status be relevant?. <i>Diabetologia</i> , 2014, 57, 1081-1081.	6.3	5
76	Determinants of circulating 25-hydroxyvitamin D concentration and its association with musculoskeletal health in midlife: Findings from the Hertfordshire Cohort Study. <i>Metabolism Open</i> , 2021, 12, 100143.	2.9	5
77	Letter: Diabetes in British South Asians: nature, nurture, and culture. , 1997, 14, 707-708.		4
78	Vitamin A Supplementation for Extremely-Low-Birth-Weight Infants. <i>New England Journal of Medicine</i> , 1999, 341, 1697-1698.	27.0	4
79	Causal link between vitamin D deficiency and ill health still possible. <i>BMJ, The</i> , 2014, 348, g2923-g2923.	6.0	4
80	Neonatal vitamin A: time to move on?. <i>Lancet, The</i> , 2015, 386, 133-134.	13.7	4
81	Re Niroomand M, Fotouhi A, Irannejad N et al. Does high-dose vitamin D supplementation impact insulin resistance and risk of development of diabetes in patients with pre-diabetes? A double-blind randomized controlled trial. <i>Diabetes Res Clin Pract.</i> 2019;148:1â€“9. <i>Diabetes Research and Clinical Practice.</i> 2019, 155, 107782.	2.8	4
82	Difficulties in designing randomised controlled trials of vitamin D supplementation for reducing acute cardiovascular events and in the analysis of their outcomes. <i>IJC Heart and Vasculature</i> , 2020, 29, 100564.	1.1	4
83	No evidence that vitamin D is able to prevent or affect the severity of COVID-19 in individuals with European ancestry: a Mendelian randomisation study of open data, by Amin <i>et al</i>. <i>BMJ Nutrition, Prevention and Health</i> , 2021, 4, 352-353.	3.7	4
84	To the Editor:. <i>Metabolism: Clinical and Experimental</i> , 2002, 51, 1375-1375.	3.4	4
85	Inbuilt Mechanisms for Overcoming Functional Problems Inherent in Hepatic Microlobular Structure. <i>Computational and Mathematical Methods in Medicine</i> , 2011, 2011, 1-8.	1.3	3
86	Exploring the Role of Vitamin D. Comments on Fleury et al. Sun Exposure and Its Effects on Human Health: Mechanisms through Which Sun Exposure Could Reduce the Risk of Developing Obesity and Cardiometabolic Dysfunction. <i>Int. J. Environ. Res. Public Health</i> 2016, 13, 999. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1256.	2.6	3
87	Vitamin D, Obesity, and the Metabolic Syndrome. , 2018, , 425-444.		3
88	Health Outcomes With Vitamin D Supplementation. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 1618.	7.4	3
89	Reduced cardiovascular mortality in oral 1Îˆ-hydroxy vitamin D3 users in a haemodialysis population; do CRP and MMP markers of inflammation reflect this finding?. <i>Nephrology Dialysis Transplantation</i> , 2005, 20, 846-846.	0.7	2
90	Type 2 diabetes in rural and urban population: diverse prevalence and associated risk factors in Bangladesh. <i>Diabetic Medicine</i> , 2006, 23, 450-450.	2.3	2

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91	Vitamin D status and bone mass in UK South Asian women. <i>Bone</i> , 2007, 40, 1182.	2.9	2
92	Curcumin and diabetes: a role for the vitamin D receptor?. <i>British Journal of Nutrition</i> , 2012, 108, 2104-2104.	2.3	2
93	Maternal High Fat Diet Programs Rat Offspring Liver Fatty Acid Metabolism: Might Reduced Vitamin D Availability Due to Increases in Maternal Body Fat Contribute to This Effect?. <i>Lipids</i> , 2015, 50, 837-838.	1.7	2
94	Early Pregnancy Maternal Vitamin D Concentrations and Risk of Gestational Diabetes Mellitus. <i>Paediatric and Perinatal Epidemiology</i> , 2015, 29, 196-199.	1.7	2
95	Re: Scragg "Emerging Evidence of Thresholds for Beneficial Effects from Vitamin D Supplementation." <i>Nutrients</i> , 2019, 11, 1321.	4.1	2
96	Comment on Di Marco, N., Kaufman, J., Rodda, C.P. Shedding Light on Vitamin D Status and Its Complexities during Pregnancy, Infancy and Childhood: An Australian Perspective. <i>Int. J. Environ. Res. Public Health</i> 2019, 16 (4), 538, doi:10.3390/ijerph16040538. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1373.	2.6	2
97	Yes, vitamin D can be a magic bullet. <i>Clinical Nutrition</i> , 2020, 39, 1627.	5.0	2
98	Comment on "vitamin D discovery outpaces FDA decision making" <i>BioEssays</i> , 2008, 30, 508-509.	2.5	1
99	Response: Primary biliary cirrhosis is associated with falls and significant fall related injury. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2010, 103, 437-437.	0.5	1
100	Endothelial dysfunction has vitamin D a role?. <i>Diabetic Medicine</i> , 2011, 28, 125-126.	2.3	1
101	Re Yu et al. The natural history of treated and untreated primary hyperparathyroidism: the Parathyroid Epidemiology and Audit Research Study. <i>Q J Med</i> 2011; 104:513-521. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2011, 104, 1107-1108.	0.5	1
102	Might hypovitaminosis D aggravate endothelial dysfunction-related increases in arterial stiffness seen in patients with hypertension and type 2 diabetes?. <i>Diabetologia</i> , 2012, 55, 3141-3141.	6.3	1
103	Re: Prime mover or fellow traveller: 25-hydroxyvitamin D's seasonal variation, cardiovascular disease and death in the Scottish Heart Health Extended Study. <i>International Journal of Epidemiology</i> , 2016, 45, 287-289.	1.9	1
104	Letter by Boucher and Grant Regarding Article, "Vitamin D Status and Risk of Stroke: The Rotterdam Study" <i>Stroke</i> , 2019, 50, e431.	2.0	1
105	Validating the effects of correcting vitamin D deficiency; time for reappraisal of clinical trial design. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2019, 112, 747-748.	0.5	1
106	About adverse effects of high-dose vitamin D supplementation on volumetric bone density. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1416-1416.	2.8	1
107	Should we be giving enhanced vitamin D intakes to all?. <i>Journal of the Royal College of Physicians of Edinburgh, The</i> , 2011, 41, 324-329.	0.6	1
108	Discrepancies between current guidance from NICE on the treatment of vitamin D deficiency and the recommended daily amounts [RDAs] advised for its prevention in the UK. <i>Expert Review of Endocrinology and Metabolism</i> , 2022, , 1-3.	2.4	1

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109	Maternal and postnatal vitamin D ingestion influences rat aortic structure, function and elastin content [Cardiovasc. Res. 2002;55:369-374]. Cardiovascular Research, 2003, 57, 284-285.	3.8	0
110	to: Weets I, Kaufman L, Van der Auwera B et al. (2004) Seasonality in clinical onset of Type 1 diabetes in Belgian patients above the age of 10 is restricted to HLA-DQ2/DQ8-negative males, which explains the male to female excess in incidence. Diabetologia 47:614-621. Diabetologia, 2004, 47, 1858-1858.	6.3	0
111	Postprandial hypotension in the elderly: what is the metabolic chain of events?. British Journal of Nutrition, 2005, 94, 865-865.	2.3	0
112	Dietary risk factors for the emergence of type 1 diabetes-related autoantibodies in 2½-year-old Swedish children – Comments by Boucher. British Journal of Nutrition, 2006, 96, 991-991.	2.3	0
113	Comment on: Tseng C-H, Tseng C-P, Chong C-K et al (2006) Increasing incidence of diagnosed type 2 diabetes in Taiwan: analysis of data from a national cohort. Diabetologia 49:1755-1760. Diabetologia, 2006, 50, 241-241.	6.3	0
114	Dietary supplement use and mortality in a cohort of Swedish men – comments by Boucher. British Journal of Nutrition, 2008, 100, 1345-1345.	2.3	0
115	Serum Vitamin D Concentrations and Unexplained Elevation in ALT Among US Adults. Digestive Diseases and Sciences, 2011, 56, 2499-2500.	2.3	0
116	Comment on Jia et al. British Journal of Nutrition, 2011, 106, 1763-1763.	2.3	0
117	The Multiple Roles of Vitamin D in Human Health. A Mini-Review. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2011, 11, 220-227.	0.5	0
118	Re – Nutritional risk factors for development of postpartum prediabetes and diabetes in women with gestational diabetes mellitus – by Kim et al. Nutrition, 2012, 28, 112.	2.4	0
119	Genetic and non-genetic effects of increased sun and vitamin D exposure: role in the observed healthy changes in cardiometabolic risk factors in Iranian children. Public Health Nutrition, 2018, 21, 3125-3128.	2.2	0
120	R Scragg's and JD Sluyter's – There Proof of Extraskkeletal Benefits From Vitamin D Supplementation From Recent Mega Trials of Vitamin D? – JBMR Plus, 2021, 5, e10491.	2.7	0
121	Need to be implemented in UK. BMJ: British Medical Journal, 2011, 342, d444-d444.	2.3	0