Jette Jakobsen

List of Publications by Citations

59 papers	1,570 citations	23 h-index	38 g-index
61 ext. papers	1,862 ext. citations	5.3 avg, IF	4.98 L-index

#	Paper	IF	Citations
59	Food contents and biological activity of 25-hydroxyvitamin D: a vitamin D metabolite to be reckoned with?. *Annals of Nutrition and Metabolism*, **2003**, 47, 107-13	4.5	138
58	Vitamin D in plants: a review of occurrence, analysis, and biosynthesis. *Frontiers in Plant Science*, **2013**, 4, 136	6.2	127
57	Bread fortified with cholecalciferol increases the serum 25-hydroxyvitamin D concentration in women as effectively as a cholecalciferol supplement. *Journal of Nutrition*, **2006**, 136, 123-7	4.1	102
56	25-hydroxyvitamin D3 affects vitamin D status similar to vitamin D3 in pigs--but the meat produced has a lower content of vitamin D. *British Journal of Nutrition*, **2007**, 98, 908-13	3.6	74
55	Randomized controlled trial of the effects of vitamin D-fortified milk and bread on serum 25-hydroxyvitamin D concentrations in families in Denmark during winter: the VitmaD study. *American Journal of Clinical Nutrition*, **2013**, 98, 374-82	7	71
54	Stability of vitamin D in foodstuffs during cooking. *Food Chemistry*, **2014**, 148, 170-5	8.5	68
53	Vitamin D metabolites in bovine milk and butter. *Journal of Food Composition and Analysis*, **2009**, 22, 472-478	4.1	56
52	A new method for the determination of vitamin D3 and 25-hydroxyvitamin D3 in meat. *Journal of Food Composition and Analysis*, **2004**, 17, 777-787	4.1	56
51	How much vitamin D3 do the elderly need?. *Journal of the American College of Nutrition*, **2006**, 25, 429-35	3.5	55
50	Effects of vitamin D2-fortified bread v. supplementation with vitamin D2 or D3 on serum 25-hydroxyvitamin D metabolites: an 8-week randomised-controlled trial in young adult Finnish women. *British Journal of Nutrition*, **2016**, 115, 1232-9	3.6	53
49	Estimation of the dietary requirement for vitamin D in healthy adolescent white girls. *American Journal of Clinical Nutrition*, **2011**, 93, 549-55	7	48
48	Vitamin D3 and 25-hydroxyvitamin D3 in raw and cooked pork cuts. *Journal of Food Composition and Analysis*, **2003**, 16, 575-585	4.1	43
47	Vitamin D-enhanced eggs are protective of wintertime serum 25-hydroxyvitamin D in a randomized controlled trial of adults. *American Journal of Clinical Nutrition*, **2016**, 104, 629-37	7	38
46	Vitamin D Stored in Fat Tissue During a 5-Year Intervention Affects Serum 25-Hydroxyvitamin D Levels the Following Year. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 3731-3738	5.6	35
45	Vitamin D binding protein genotype is associated with serum 25-hydroxyvitamin D and PTH concentrations, as well as bone health in children and adolescents in Finland. *PLoS ONE*, **2014**, 9, e87292	3.7	31
44	Vitamin D3 and 25-hydroxyvitamin D3 in pork and their relationship to vitamin D status in pigs. *Journal of Nutritional Science*, **2016**, 5, e3	2.7	29
43	Microalgae Nannochloropsis oceanica as a future new natural source of vitamin D. *Food Chemistry*, **2020**, 320, 126627	8.5	27

42	The effect of a high-protein, high-sodium diet on calcium and bone metabolism in postmenopausal women and its interaction with vitamin D receptor genotype. *British Journal of Nutrition*, **2004**, 91, 41-51	3.6	27
41	Impact on Vitamin D2, Vitamin D4 and Agaritine in Agaricus bisporus Mushrooms after Artificial and Natural Solar UV Light Exposure. *Plant Foods for Human Nutrition*, **2016**, 71, 314-21	3.9	26
40	Increase of vitamin D(2) by UV-B exposure during the growth phase of white button mushroom (Agaricus bisporus). *Food and Nutrition Research*, **2012**, 56,	3.1	26
39	Effect of phylloquinone supplementation on biochemical markers of vitamin K status and bone turnover in postmenopausal women. *British Journal of Nutrition*, **2007**, 97, 373-80	3.6	26
38	The use of synthetic and natural vitamin D sources in pig diets to improve meat quality and vitamin D content. *Meat Science*, **2018**, 143, 60-68	6.4	24
37	Simultaneous quantification of vitamin D, 25-hydroxyvitamin D and 24,25-dihydroxyvitamin D in human serum by LC-MS/MS. *Scandinavian Journal of Clinical and Laboratory Investigation*, **2014**, 74, 418-23	2	24
36	Quantification of physiological levels of vitamin D and 25-hydroxyvitamin D in porcine fat and liver in subgram sample sizes. *Journal of Separation Science*, **2014**, 37, 2659-63	3.4	23
35	Seasonal variation of provitamin D2 and vitamin D2 in perennial ryegrass (Lolium perenne L.). *Journal of Agricultural and Food Chemistry*, **2011**, 59, 10907-12	5.7	22
34	Interlaboratory Trial for Measurement of Vitamin D and 25-Hydroxyvitamin D [25(OH)D] in Foods and a Dietary Supplement Using Liquid Chromatography-Mass Spectrometry. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 3167-75	5.7	22
33	Stability of vitamin D and vitamin D in oil, fish and mushrooms after household cooking. *Food Chemistry*, **2018**, 254, 144-149	8.5	21
32	Investigation of the effect of UV-LED exposure conditions on the production of vitamin D in pig skin. *Food Chemistry*, **2016**, 212, 386-91	8.5	20
31	Analysis of vitamin K1 in fruits and vegetables using accelerated solvent extraction and liquid chromatography tandem mass spectrometry with atmospheric pressure chemical ionization. *Food Chemistry*, **2016**, 192, 402-8	8.5	19
30	Vitamin D status assessed by a validated HPLC method: within and between variation in subjects supplemented with vitamin D3. *Scandinavian Journal of Clinical and Laboratory Investigation*, **2009**, 69, 190-7	2	19
29	Tissue content of vitamin D3 and 25-hydroxy vitamin D3 in minipigs after cutaneous synthesis, supplementation and deprivation of vitamin D3. *Steroids*, **2015**, 98, 72-9	2.8	18
28	Short communication: artificial ultraviolet B light exposure increases vitamin D levels in cow plasma and milk. *Journal of Dairy Science*, **2015**, 98, 6492-8	4	18
27	Quantification of vitamin D3 and its hydroxylated metabolites in waxy leaf nightshade (Solanum glaucophyllum Desf.), tomato (Solanum lycopersicum L.) and bell pepper (Capsicum annuum L.). *Food Chemistry*, **2013**, 138, 1206-11	8.5	17
26	Vitamin D enhanced pork from pigs exposed to artificial UVB light in indoor facilities. *European Food Research and Technology*, **2019**, 245, 411-418	3.4	16
25	Vitamin D-biofortified beef: A comparison of cholecalciferol with synthetic versus UVB-mushroom-derived ergosterol as feed source. *Food Chemistry*, **2018**, 256, 18-24	8.5	15

24	Vitamin D in Wild and Farmed Atlantic Salmon ()-What Do We Know?. *Nutrients*, **2019**, 11,	6.7	14
23	Vitamin D-fortified foods improve wintertime vitamin D status in women of Danish and Pakistani origin living in Denmark: a randomized controlled trial. *European Journal of Nutrition*, **2020**, 59, 741-753	5.2	12
22	Vitamin D Vitamers Affect Vitamin D Status Differently in Young Healthy Males. *Nutrients*, **2017**, 10,	6.7	11
21	Altered vitamin D status in liver tissue and blood plasma from Greenland sledge dogs (Canis familiaris) dietary exposed to organohalogen contaminated minke whale (Balaenoptera acuterostrata) blubber. *Ecotoxicology and Environmental Safety*, **2014**, 104, 403-8	7	11
20	Vitamin D Status and Muscle Function Among Adolescent and Young Swimmers. *International Journal of Sport Nutrition and Exercise Metabolism*, **2017**, 27, 399-407	4.4	10
19	Naturally enhanced eggs as a source of vitamin D: A review. *Trends in Food Science and Technology*, **2020**, 102, 62-70	15.3	10
18	Quantification of folate in food using deconjugase of plant origin combined with LC-MS/MS: A method comparison of a large and diverse sample set. *Food Chemistry*, **2020**, 305, 125450	8.5	10
17	Challenges to Quantify Total Vitamin Activity: How to Combine the Contribution of Diverse Vitamers?. *Current Developments in Nutrition*, **2019**, 3, nzz086	0.4	9
16	Farmed Salmon and Farmed Rainbow Trout - Excellent Sources of Vitamin D?. *Fisheries and Aquaculture Journal*, **2017**, 08,		7
15	Is high oily fish intake achievable and how does it affect nutrient status in 8-9-year-old children?: the FiSK Junior trial. *European Journal of Nutrition*, **2020**, 59, 1205-1218	5.2	7
14	The use of a plant enzyme for rapid and sensitive analysis of naturally-occurring folates in food by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2019**, 1594, 34-44	4.5	6
13	Vitamin K (phylloquinone and menaquinones) in foods - Optimisation of extraction, clean-up and LC-ESI-MS/MS method for quantification. *Food Chemistry*, **2021**, 345, 128835	8.5	6
12	Nutrient content in plant-based protein products intended for food composition databases. *Journal of Food Composition and Analysis*, **2022**, 106, 104332	4.1	4
11	Encapsulation of L-5-methyltetrahydrofolate by electrospraying for food applications. *Journal of Food Engineering*, **2020**, 277, 109901	6	3
10	Natural Vitamin D in Food: To What Degree Does 25-Hydroxyvitamin D Contribute to the Vitamin D Activity in Food?. *JBMR Plus*, **2021**, 5, e10453	3.9	3
9	Effect of UVB light on vitamin D status in piglets and sows. *Journal of Steroid Biochemistry and Molecular Biology*, **2020**, 200, 105637	5.1	2
8	Causes of Vitamin K Deficiency in Patients on Haemodialysis. *Nutrients*, **2020**, 12,	6.7	2
7	Quantification of vitamin D and 25-hydroxyvitamin D in food - The impact of eluent additives and labelled internal standards on matrix effects in LC-MS/MS analysis. *Food Chemistry*, **2021**, 357, 129588	8.5	2

6	bioaccessibility of vitamin K (phylloquinone and menaquinones) in food and supplements assessed by INFOGEST 2.0 - vit K.. *Current Research in Food Science*, **2022**, 5, 306-312	5.6	1
5	Collaborative study: Quantification of total folate in food using an efficient single-enzyme extraction combined with LC-MS/MS. *Food Chemistry*, **2020**, 333, 127447	8.5	1
4	Fatty acids, carotenoids, and tocopherols from microalgae: targeting the accumulation by manipulating the light during growth. *Journal of Applied Phycology*, **2021**, 33, 2783-2793	3.2	1
3	UVB exposure stimulates production of vitamin D3 in selected microalgae. *Algal Research*, **2021**, 59, 102472	5	1
2	Bio-Fortified Pork Cracklings with UVB LED Tailored Content of Vitamin D.. *Foods*, **2022**, 11,	4.9	1
1	Vitamin K (phylloquinone and menaquinones) in foods - Cost-effective quantification by LC-ESI-MS/MS.. *Food Chemistry*, **2022**, 385, 132672	8.5	1