

# Wilhelm M Windisch

## List of Publications by Citations

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41  
papers

1,142  
citations

14  
h-index

33  
g-index

44  
ext. papers

1,365  
ext. citations

3.3  
avg, IF

4.45  
L-index

#	Paper	IF	Citations
41	Use of phytogetic products as feed additives for swine and poultry. <i>Journal of Animal Science</i> , <b>2008</b> , 86, E140-8	0.7	648
40	Interaction of chemical species with biological regulation of the metabolism of essential trace elements. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 372, 421-5	4.4	70
39	Effect of zinc deficiency on the mRNA expression pattern in liver and jejunum of adult rats: monitoring gene expression using cDNA microarrays combined with real-time RT-PCR. <i>Journal of Nutritional Biochemistry</i> , <b>2003</b> , 14, 691-702	6.3	53
38	Influence of zinc deficiency on the mRNA expression of zinc transporters in adult rats. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2003</b> , 17, 97-106	4.1	38
37	Environmental responsibilities of livestock feeding using trace mineral supplements. <i>Animal Nutrition</i> , <b>2015</b> , 1, 113-118	4.8	30
36	Effects of a rumen-protected mixture of conjugated linoleic acids on hepatic expression of genes involved in lipid metabolism in dairy cows. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 3905-18	4	29
35	Bioavailability of zinc glycinate in comparison with zinc sulphate in the presence of dietary phytate in an animal model with Zn labelled rats. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2006</b> , 90, 216-22	2.6	25
34	Zur Messung der homöostatischen Anpassung des Zinkstoffwechsels an eine defizitäre und hohe Zinkversorgung nach alimentärer <sup>65</sup> Zn-Markierung. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>1994</b> , 71, 98-107	2.6	25
33	Influence of dietary protein and fructooligosaccharides on fecal fermentative end-products, fecal bacterial populations and apparent total tract digestibility in dogs. <i>BMC Veterinary Research</i> , <b>2018</b> , 14, 106	2.7	20
32	Development of an experimental model to assess the bioavailability of zinc in practical piglet diets. <i>Archives of Animal Nutrition</i> , <b>2014</b> , 68, 73-92	2.7	19
31	Strategies and challenges to increase the precision in feeding zinc to monogastric livestock. <i>Animal Nutrition</i> , <b>2017</b> , 3, 103-108	4.8	16
30	Development of zinc deficiency in <sup>65</sup> Zn labeled, fully grown rats as a model for adult individuals. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2003</b> , 17, 91-6	4.1	14
29	Tissue zinc distribution and exchange in adult rats at zinc deficiency induced by dietary phytate additions: II. Quantitative zinc metabolism of <sup>65</sup> Zn-labelled adult rats at zinc deficiency. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>1999</b> , 82, 116-124	2.6	14
28	Anpassung des Zinkstoffwechsels und des Zink austauschs im Ganzkörper <sup>65</sup> Zn-markierter Ratten an eine variierende Zinkaufnahme. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>1995</b> , 74, 101-112	2.6	14
27	Zink exkretion und Kinetik des Zink austauschs im Ganzkörper bei defizitärer und hoher Zinkversorgung 2. Zum Effekt einer unterschiedlichen Zinkversorgung auf den quantitativen Zinkumsatz im Stoffwechsel adulter Ratten. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>1994</b> , 71, 123-129	2.6	12
26	Subclinical zinc deficiency impairs pancreatic digestive enzyme activity and digestive capacity of weaned piglets. <i>British Journal of Nutrition</i> , <b>2016</b> , 116, 425-33	3.6	11
25	Expression of fibroblast growth factor 21 in the liver of dairy cows in the transition period and during lactation. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2013</b> , 97, 820-9	2.6	11

24	Verteilung und Austausch von Zink in verschiedenen Gewebefractionen bei defizitärer und hoher Zinkversorgung 3. Zum Effekt einer unterschiedlichen Zinkversorgung auf den quantitativen Zinkumsatz im Stoffwechsel adulter Ratten. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>1994</b> , 71, 131-139	2.6	11
23	Zinkverteilung und Zinkaustausch im Gewebe 65Znmarkierter Ratten. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>1995</b> , 74, 113-122	2.6	10
22	Effect of Zn deficiency and subsequent Zn repletion on bone mineral composition and markers of bone tissue metabolism in 65Zn-labelled, young-adult rats. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2002</b> , 86, 214-21	2.6	9
21	Short-Term Subclinical Zinc Deficiency in Weaned Piglets Affects Cardiac Redox Metabolism and Zinc Concentration. <i>Journal of Nutrition</i> , <b>2017</b> , 147, 521-527	4.1	8
20	Gender-specific effects of a phytogenic feed additive on performance, intestinal physiology and morphology in broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2015</b> , 99, 788-800	2.6	7
19	Effects of different iron supply to pregnant sows ( <i>Sus scrofa domestica</i> L.) on reproductive performance as well as iron status of new-born piglets. <i>Archives of Animal Nutrition</i> , <b>2017</b> , 71, 219-230	2.7	6
18	Zn metabolism of monogastric species and consequences for the definition of feeding requirements and the estimation of feed Zn bioavailability. <i>Journal of Zhejiang University: Science B</i> , <b>2019</b> , 20, 617-627	4.5	6
17	Chickens growth performance and pancreas development exposed to soy cake varying in trypsin inhibitor activity, heat-degraded lysine concentration, and protein solubility in potassium hydroxide. <i>Poultry Science</i> , <b>2019</b> , 98, 2489-2499	3.9	5
16	Influence of dietary energy concentration and body weight at slaughter on carcass tissue composition and beef cuts of modern type Fleckvieh (German Simmental) bulls. <i>Meat Science</i> , <b>2020</b> , 169, 108209	6.4	5
15	Homeostatic response of Zn metabolism to dietary Zn supplements from sulfate, gluconate, orotate, aspartate or histidine in 65Zn labeled non-growing rats as a model to adult individuals. <i>Trace Elements and Electrolytes</i> , <b>2003</b> , 20, 125-133	1.8	5
14	Adaption of body zinc pools in weaned piglets challenged with subclinical zinc deficiency. <i>British Journal of Nutrition</i> , <b>2019</b> , 121, 849-858	3.6	4
13	The response of zinc transporter gene expression of selected tissues in a pig model of subclinical zinc deficiency. <i>Journal of Nutritional Biochemistry</i> , <b>2021</b> , 90, 108576	6.3	4
12	Inflammation neither increases hepatic hepcidin nor affects intestinal (59)Fe-absorption in two murine models of bowel inflammation, hemizygous TNF(ΔRE/+) and homozygous IL-10(-/-) mice. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2015</b> , 32, 162-7	4.1	3
11	In-silico and in-vitro evaluation of the potential of maize kernels to inhibit trypsin activity. <i>Animal Feed Science and Technology</i> , <b>2015</b> , 207, 289-294	3	3
10	Effects of whole plant brown algae ( on zootechnical performance, apparent total tract digestibility, faecal characteristics and blood plasma urea in weaned piglets. <i>Archives of Animal Nutrition</i> , <b>2020</b> , 74, 19-38	2.7	2
9	Transcript profiling in the liver of early-lactating dairy cows fed conjugated linoleic acid. <i>Genomics Data</i> , <b>2016</b> , 10, 101-103		2
8	Using piglets as an animal model: Preliminary results on the impact of short-term marginal zinc deficiency on zinc acquisition and storage dependent gene expression in jejunal and colonic tissue. <i>Perspectives in Science</i> , <b>2015</b> , 3, 30-31	0.8	1
7	Clay Minerals Affect the Solubility of Zn and Other Bivalent Cations in the Digestive Tract of Ruminants In Vitro. <i>Animals</i> , <b>2021</b> , 11,	3.1	1

6	Genotype-by-Diet Interactions for Larval Performance and Body Composition Traits in the Black Soldier Fly, <i>Hermetia illucens</i> . <i>Insects</i> , <b>2022</b> , 13, 424	2.8	1
5	Effects of gradual differences in trypsin inhibitor activity on the estimation of digestible amino acids in soybean expellers for broiler chickens.. <i>Poultry Science</i> , <b>2022</b> , 101, 101740	3.9	0
4	Dietary l-glutamic acid N,N-diacetic acid improves short-term maintenance of zinc homoeostasis in a model of subclinical zinc deficiency in weaned piglets. <i>British Journal of Nutrition</i> , 1-10	3.6	0
3	Body composition and composition of gain of growing beef bulls fed rations with varying energy concentrations. <i>Meat Science</i> , <b>2022</b> , 184, 108685	6.4	0
2	Effects of supplementing a CP-reduced diet with rumen-protected methionine on Fleckvieh bull fattening. <i>Animal</i> , <b>2021</b> , 15, 100366	3.1	0
1	Livestock-based Bioeconomy <b>2022</b> , 67-83		