Bo Lnnerdal

List of Publications by Citations

350 papers	17,244 citations	75 h-index	111 g-index
361 ext. papers	19,389 ext. citations	4.3 avg, IF	7.16 L-index

#	Paper	IF	Citations
350	Nutritional and physiologic significance of human milk proteins. *American Journal of Clinical Nutrition*, **2003**, 77, 1537S-1543S	7	553
349	International Zinc Nutrition Consultative Group (IZiNCG) technical document #1. Assessment of the risk of zinc deficiency in populations and options for its control. *Food and Nutrition Bulletin*, **2004**, 25, S99-203	1.8	550
348	Global standard for the composition of infant formula: recommendations of an ESPGHAN coordinated international expert group. *Journal of Pediatric Gastroenterology and Nutrition*, **2005**, 41, 584-99	2.8	403
347	Influence of ashing techniques on the analysis of trace elements in animal tissue : I. Wet ashing. *Biological Trace Element Research*, **1981**, 3, 107-15	4.5	361
346	Molecular cloning and functional expression of a human intestinal lactoferrin receptor. *Biochemistry*, **2001**, 40, 15771-9	3.2	268
345	Neurodevelopment, nutrition, and growth until 12 mo of age in infants fed a low-energy, low-protein formula supplemented with bovine milk fat globule membranes: a randomized controlled trial. *American Journal of Clinical Nutrition*, **2014**, 99, 860-8	7	212
344	Identification of a mutation in SLC30A2 (ZnT-2) in women with low milk zinc concentration that results in transient neonatal zinc deficiency. *Journal of Biological Chemistry*, **2006**, 281, 39699-707	5.4	205
343	Inhibitory effects of phytic acid and other inositol phosphates on zinc and calcium absorption in suckling rats. *Journal of Nutrition*, **1989**, 119, 211-4	4.1	200
342	Iron supplementation affects growth and morbidity of breast-fed infants: results of a randomized trial in Sweden and Honduras. *Journal of Nutrition*, **2002**, 132, 3249-55	4.1	188
341	Effects of maternal dietary intake on human milk composition. *Journal of Nutrition*, **1986**, 116, 499-513	4.1	177
340	Gender and age differences in the metabolism of inorganic arsenic in a highly exposed population in Bangladesh. *Environmental Research*, **2008**, 106, 110-20	7.9	170
339	Persistence of human milk proteins in the breast-fed infant. *Acta Paediatrica, International Journal of Paediatrics*, **1987**, 76, 733-40	3.1	170
338	Iron in human milk. *Journal of Pediatrics*, **1980**, 96, 380-4	3.6	170
337	Infant formula and infant nutrition: bioactive proteins of human milk and implications for composition of infant formulas. *American Journal of Clinical Nutrition*, **2014**, 99, 712S-7S	7	162
336	The human milk metabolome reveals diverse oligosaccharide profiles. *Journal of Nutrition*, **2013**, 143, 1709-18	4.1	162
335	A community-based randomized controlled trial of iron and zinc supplementation in Indonesian infants: interactions between iron and zinc. *American Journal of Clinical Nutrition*, **2003**, 77, 883-90	7	158
334	Oral iron, dietary ligands and zinc absorption. *Journal of Nutrition*, **1985**, 115, 411-4	4.1	157

333	Iron supplementation of breast-fed Honduran and Swedish infants from 4 to 9 months of age. *Journal of Pediatrics*, **2001**, 138, 679-87	3.6	154
332	Iron, zinc, and copper concentrations in breast milk are independent of maternal mineral status. *American Journal of Clinical Nutrition*, **2004**, 79, 111-5	7	147
331	Human milk exosomes and their microRNAs survive digestion in vitro and are taken up by human intestinal cells. *Molecular Nutrition and Food Research*, **2017**, 61, 1700082	5.9	143
330	Expression of human lactoferrin in transgenic rice grains for the application in infant formula. *Plant Science*, **2002**, 163, 713-722	5.3	143
329	Developmental changes in composition of rat milk: trace elements, minerals, protein, carbohydrate and fat. *Journal of Nutrition*, **1981**, 111, 226-36	4.1	139
328	Milk and nutrient intake of breast-fed infants from 1 to 6 months: relation to growth and fatness. *Journal of Pediatric Gastroenterology and Nutrition*, **1983**, 2, 497-506	2.8	131
327	Bioactive proteins in breast milk. *Journal of Paediatrics and Child Health*, **2013**, 49 Suppl 1, 1-7	1.3	126
326	Sex differences in iron status during infancy. *Pediatrics*, **2002**, 110, 545-52	7.4	124
325	DMT1 gene expression and cadmium absorption in human absorptive enterocytes. *Toxicology Letters*, **2001**, 122, 171-7	4.4	123
324	Bioactive peptides derived from human milk proteins--mechanisms of action. *Journal of Nutritional Biochemistry*, **2014**, 25, 503-14	6.3	122
323	Nutritional and physiologic significance of alpha-lactalbumin in infants. *Nutrition Reviews*, **2003**, 61, 295-305	5.4	119
322	Distribution of trace elements and minerals in human and cow© milk. *Pediatric Research*, **1983**, 17, 912-5	3.2	119
321	Adequacy of energy intake among breast-fed infants in the DARLING study: relationships to growth velocity, morbidity, and activity levels. Davis Area Research on Lactation, Infant Nutrition and Growth. *Journal of Pediatrics*, **1991**, 119, 538-47	3.6	116
320	Nutritional roles of lactoferrin. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2009**, 12, 293-7	3.8	115
319	Glycosylation of human milk lactoferrin exhibits dynamic changes during early lactation enhancing its role in pathogenic bacteria-host interactions. *Molecular and Cellular Proteomics*, **2012**, 11, M111.015248	7.6	113
318	Infections in infants fed formula supplemented with bovine milk fat globule membranes. *Journal of Pediatric Gastroenterology and Nutrition*, **2015**, 60, 384-9	2.8	112
317	Proteomic characterization of human milk whey proteins during a twelve-month lactation period. *Journal of Proteome Research*, **2011**, 10, 1746-54	5.6	111
316	Bioactive proteins in human milk: mechanisms of action. *Journal of Pediatrics*, **2010**, 156, S26-30	3.6	110

315	Influence of lactoferrin on iron absorption from human milk in infants. *Pediatric Research*, **1994**, 35, 117-24	3.1	110
314	Human milk kappa-casein and inhibition of Helicobacter pylori adhesion to human gastric mucosa. *Journal of Pediatric Gastroenterology and Nutrition*, **1995**, 21, 288-96	2.8	110
313	Intake and growth of breast-fed and formula-fed infants in relation to the timing of introduction of complementary foods: the DARLING study. Davis Area Research on Lactation, Infant Nutrition and Growth. *Acta Paediatrica, International Journal of Paediatrics*, **1993**, 82, 999-1006	3.1	109
312	Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatrica, International Journal of Paediatrics*, **1992**, 81, 107-12	3.1	109
311	Apo- and holo-lactoferrin are both internalized by lactoferrin receptor via clathrin-mediated endocytosis but differentially affect ERK-signaling and cell proliferation in Caco-2 cells. *Journal of Cellular Physiology*, **2011**, 226, 3022-31	7	108
310	Neurobehavioral evaluation of rhesus monkey infants fed cow? milk formula, soy formula, or soy formula with added manganese. *Neurotoxicology and Teratology*, **2005**, 27, 615-27	3.9	108
309	Iron absorption in breast-fed infants: effects of age, iron status, iron supplements, and complementary foods. *American Journal of Clinical Nutrition*, **2002**, 76, 198-204	7	107
308	Clinical Benefits of Milk Fat Globule Membranes for Infants and Children. *Journal of Pediatrics*, **2016** , 173 Suppl, S60-5	3.6	106
307	The effect of casein phosphopeptides on zinc and calcium absorption from high phytate infant diets assessed in rat pups and Caco-2 cells. *Pediatric Research*, **1996**, 40, 547-52	3.2	104
306	Proteomic characterization of human milk fat globule membrane proteins during a 12 month lactation period. *Journal of Proteome Research*, **2011**, 10, 3530-41	5.6	103
305	Randomized trial of the short-term effects of dieting compared with dieting plus aerobic exercise on lactation performance. *American Journal of Clinical Nutrition*, **1999**, 69, 959-67	7	101
304	Amino acid profiles in term and preterm human milk through lactation: a systematic review. *Nutrients*, **2013**, 5, 4800-21	6.7	100
303	Phytic acid?race element (Zn, Cu, Mn) interactions. *International Journal of Food Science and Technology*, **2002**, 37, 749-758	3.8	100
302	Applications for ?actalbumin in human nutrition. *Nutrition Reviews*, **2018**, 76, 444-460	6.4	99
301	Effects of different industrial heating processes of milk on site-specific protein modifications and their relationship to in vitro and in vivo digestibility. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 4175-85	5.7	97
300	Longitudinal evolution of true protein, amino acids and bioactive proteins in breast milk: a developmental perspective. *Journal of Nutritional Biochemistry*, **2017**, 41, 1-11	6.3	96
299	Bioactive Proteins in Human Milk: Health, Nutrition, and Implications for?Infant Formulas. *Journal of Pediatrics*, **2016**, 173 Suppl, S4-9	3.6	96
298	Identification of transferrin as the major plasma carrier protein for manganese introduced orally or intravenously or after in vitro addition in the rat. *Journal of Nutrition*, **1989**, 119, 1461-4	4.1	92

297	Breast milk: a truly functional food. *Nutrition*, **2000**, 16, 509-11	4.8	90
296	Biochemical and molecular impacts of lactoferrin on small intestinal growth and development during early life. *Biochemistry and Cell Biology*, **2012**, 90, 476-84	3.6	89
295	Efficacy of rice-based oral rehydration solution containing recombinant human lactoferrin and lysozyme in Peruvian children with acute diarrhea. *Journal of Pediatric Gastroenterology and Nutrition*, **2007**, 44, 258-64	2.8	89
294	Compositional Dynamics of the Milk Fat Globule and Its Role in Infant Development. *Frontiers in Pediatrics*, **2018**, 6, 313	3.4	89
293	Influence of iron and zinc status on cadmium accumulation in Bangladeshi women. *Toxicology and Applied Pharmacology*, **2007**, 222, 221-6	4.6	86
292	Arsenic methylation efficiency increases during the first trimester of pregnancy independent of folate status. *Reproductive Toxicology*, **2011**, 31, 210-8	3.4	85
291	Recent advances in knowledge of zinc nutrition and human health. *Food and Nutrition Bulletin*, **2009** , 30, S5-11	1.8	84
290	Iron status of infants fed low-iron formula: no effect of added bovine lactoferrin or nucleotides. *American Journal of Clinical Nutrition*, **2002**, 76, 858-64	7	84
289	Bovine lactoferrin can be taken up by the human intestinal lactoferrin receptor and exert bioactivities. *Journal of Pediatric Gastroenterology and Nutrition*, **2011**, 53, 606-14	2.8	83
288	Expression of functional recombinant human lysozyme in transgenic rice cell culture. *Transgenic Research*, **2002**, 11, 229-39	3.3	83
287	Receptor-mediated uptake of ferritin-bound iron by human intestinal Caco-2 cells. *Journal of Nutritional Biochemistry*, **2009**, 20, 304-11	6.3	82
286	Zn transporter levels and localization change throughout lactation in rat mammary gland and are regulated by Zn in mammary cells. *Journal of Nutrition*, **2003**, 133, 3378-85	4.1	82
285	Soybean ferritin: implications for iron status of vegetarians. *American Journal of Clinical Nutrition*, **2009**, 89, 1680S-1685S	7	81
284	Glycomacropeptide and alpha-lactalbumin supplementation of infant formula affects growth and nutritional status in infant rhesus monkeys. *American Journal of Clinical Nutrition*, **2003**, 77, 1261-8	7	81
283	Iron absorption from soybean ferritin in nonanemic women. *American Journal of Clinical Nutrition*, **2006**, 83, 103-7	7	80
282	Calcium and iron absorption--mechanisms and public health relevance. *International Journal for Vitamin and Nutrition Research*, **2010**, 80, 293-9	1.7	79
281	The effect of age on manganese uptake and retention from milk and infant formulas in rats. *Journal of Nutrition*, **1986**, 116, 395-402	4.1	78
280	Efficacy of an MFGM-enriched complementary food in diarrhea, anemia, and micronutrient status in infants. *Journal of Pediatric Gastroenterology and Nutrition*, **2011**, 53, 561-8	2.8	77

279	Expression, characterization, and biologic activity of recombinant human lactoferrin in rice. *Journal of Pediatric Gastroenterology and Nutrition*, **2003**, 36, 190-9	2.8	77
278	Benefits of Lactoferrin, Osteopontin and Milk Fat Globule Membranes for Infants. *Nutrients*, **2017**, 9,	6.7	76
277	Compartmentalization and quantitation of protein in human milk. *Journal of Nutrition*, **1987**, 117, 1385-95	4.1	76
276	Hepcidin, the recently identified peptide that appears to regulate iron absorption. *Journal of Nutrition*, **2004**, 134, 1-4	4.1	75
275	Cellular internalization of lactoferrin in intestinal epithelial cells. *BioMetals*, **2004**, 17, 311-5	3.4	75
274	Solubility and digestibility of milk proteins in infant formulas exposed to different heat treatments. *Journal of Pediatric Gastroenterology and Nutrition*, **1992**, 15, 25-33	2.8	74
273	Iron in ferritin or in salts (ferrous sulfate) is equally bioavailable in nonanemic women. *American Journal of Clinical Nutrition*, **2004**, 80, 936-40	7	73
272	Early diet impacts infant rhesus gut microbiome, immunity, and metabolism. *Journal of Proteome Research*, **2013**, 12, 2833-45	5.6	72
271	Gender and age differences in mixed metal exposure and urinary excretion. *Environmental Research* , **2011**, 111, 1271-9	7.9	71
270	Effects of alpha-lactalbumin-enriched formula containing different concentrations of glycomacropeptide on infant nutrition. *American Journal of Clinical Nutrition*, **2008**, 87, 921-8	7	71
269	A folding variant of alpha-lactalbumin with bactericidal activity against Streptococcus pneumoniae. *Molecular Microbiology*, **2000**, 35, 589-600	4.1	71
268	Superoxide dismutase activity and lipid peroxidation in the rat: developmental correlations affected by manganese deficiency. *Journal of Nutrition*, **1983**, 113, 2498-504	4.1	71
267	Maternal Versus Infant Factors Related to Breast Milk Intake and Residual Milk Volume: The DARLING Study. *Pediatrics*, **1991**, 87, 829-837	7.4	69
266	Longitudinal changes in lactoferrin concentrations in human milk: a global systematic review. *Critical Reviews in Food Science and Nutrition*, **2014**, 54, 1539-47	11.5	68
265	Absorption of iron from unmodified maize and genetically altered, low-phytate maize fortified with ferrous sulfate or sodium iron EDTA. *American Journal of Clinical Nutrition*, **2001**, 73, 80-5	7	68
264	Excess iron intake as a factor in growth, infections, and development of infants and young children. *American Journal of Clinical Nutrition*, **2017**, 106, 1681S-1687S	7	67
263	Alpha(1)-antitrypsin and antichymotrypsin in human milk: origin, concentrations, and stability. *American Journal of Clinical Nutrition*, **2002**, 76, 828-33	7	65
262	Frataxin expression rescues mitochondrial dysfunctions in FRDA cells. *Human Molecular Genetics*, **2001**, 10, 2099-107	5.6	64

261	Serum leptin concentrations in infants: effects of diet, sex, and adiposity. *American Journal of Clinical Nutrition*, **2000**, 72, 484-9	7	64
260	Human Milk Proteins. *Advances in Experimental Medicine and Biology*, **2004**, 11-25	3.6	61
259	Zip3 plays a major role in zinc uptake into mammary epithelial cells and is regulated by prolactin. *American Journal of Physiology - Cell Physiology*, **2005**, 288, C1042-7	5.4	61
258	Cadmium interacts with the transport of essential micronutrients in the mammary gland - a study in rural Bangladeshi women. *Toxicology*, **2009**, 257, 64-9	4.4	60
257	Zinc transporters in the rat mammary gland respond to marginal zinc and vitamin A intakes during lactation. *Journal of Nutrition*, **2002**, 132, 3280-5	4.1	60
256	Exosomal MicroRNAs in Milk from Mothers Delivering Preterm Infants Survive in Vitro Digestion and Are Taken Up by Human Intestinal Cells. *Molecular Nutrition and Food Research*, **2018**, 62, e1701050	5.9	59
255	rRNA probes used to quantify the effects of glycomacropeptide and alpha-lactalbumin supplementation on the predominant groups of intestinal bacteria of infant rhesus monkeys challenged with enteropathogenic Escherichia coli. *Journal of Pediatric Gastroenterology and Nutrition*, **2003**, 37, 273-80	2.8	59
254	Zinc deficiency is associated with increased brain zinc import and LIV-1 expression and decreased ZnT-1 expression in neonatal rats. *Journal of Nutrition*, **2005**, 135, 1002-7	4.1	59
253	Iron supplementation of iron-replete Indonesian infants is associated with reduced weight-for-age. *Acta Paediatrica, International Journal of Paediatrics*, **2008**, 97, 770-5	3.1	57
252	Purification and quantification of lactoperoxidase in human milk with use of immunoadsorbents with antibodies against recombinant human lactoperoxidase. *American Journal of Clinical Nutrition*, **2001**, 73, 984-9	7	57
251	Viral, nutritional, and bacterial safety of flash-heated and pretoria-pasteurized breast milk to prevent mother-to-child transmission of HIV in resource-poor countries: a pilot study. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2005**, 40, 175-81	3.1	56
250	Prevalence and predictors of iron deficiency in fully breastfed infants at 6 mo of age: comparison of data from 6 studies. *American Journal of Clinical Nutrition*, **2009**, 89, 1433-40	7	55
249	Iron supplementation during infancy--effects on expression of iron transporters, iron absorption, and iron utilization in rat pups. *American Journal of Clinical Nutrition*, **2003**, 78, 1203-11	7	55
248	Nutritional evaluation of protein hydrolysate formulas in healthy term infants: plasma amino acids, hematology, and trace elements. *American Journal of Clinical Nutrition*, **2003**, 78, 296-301	7	55
247	A multinational study of alpha-lactalbumin concentrations in human milk. *Journal of Nutritional Biochemistry*, **2004**, 15, 517-21	6.3	55
246	Growth, Nutrition, and Cytokine Response of Breast-fed Infants and Infants Fed Formula With Added Bovine Osteopontin. *Journal of Pediatric Gastroenterology and Nutrition*, **2016**, 62, 650-7	2.8	55
245	Bioactive peptides released from in vitro digestion of human milk with or without pasteurization. *Pediatric Research*, **2015**, 77, 546-53	3.2	54
244	Functional and molecular responses of human intestinal Caco-2 cells to iron treatment. *American Journal of Clinical Nutrition*, **2000**, 72, 770-5	7	54

243	Non-protein nitrogen and true protein in infant formulas. *Acta Paediatrica, International Journal of Paediatrics*, **1989**, 78, 497-504	3.1	54
242	Genetically modified plants for improved trace element nutrition. *Journal of Nutrition*, **2003**, 133, 1490S-3S	4.2	53
241	Zinc deficiency teratogenicity: the protective role of maternal tissue catabolism. *Journal of Nutrition*, **1983**, 113, 905-12	4.1	53
240	Trace element transport in the mammary gland. *Annual Review of Nutrition*, **2007**, 27, 165-77	9.9	52
239	Maternal zinc deficiency reduces NMDA receptor expression in neonatal rat brain, which persists into early adulthood. *Journal of Neurochemistry*, **2005**, 94, 510-9	6	52
238	Effect of reducing the phytate content and of partially hydrolyzing the protein in soy formula on zinc and copper absorption and status in infant rhesus monkeys and rat pups. *American Journal of Clinical Nutrition*, **1999**, 69, 490-6	7	52
237	The N1 domain of human lactoferrin is required for internalization by caco-2 cells and targeting to the nucleus. *Biochemistry*, **2008**, 47, 10915-20	3.2	51
236	Effects of dietary factors on iron uptake from ferritin by Caco-2 cells. *Journal of Nutritional Biochemistry*, **2008**, 19, 33-9	6.3	50
235	Cardiovascular risk markers until 12 mo of age in infants fed a formula supplemented with bovine milk fat globule membranes. *Pediatric Research*, **2014**, 76, 394-400	3.2	49
234	Effects of weaning cereals with different phytate contents on hemoglobin, iron stores, and serum zinc: a randomized intervention in infants from 6 to 12 mo of age. *American Journal of Clinical Nutrition*, **2003**, 78, 168-75	7	49
233	Supplementation of Infant Formula with Bovine Milk Fat Globule Membranes. *Advances in Nutrition*, **2017**, 8, 351-355	10	48
232	Effects of bovine alpha-lactalbumin and casein glycomacropeptide-enriched infant formulae on faecal microbiota in healthy term infants. *Journal of Pediatric Gastroenterology and Nutrition*, **2006**, 43, 673-9	2.8	48
231	DMT1 and FPN1 expression during infancy: developmental regulation of iron absorption. *American Journal of Physiology - Renal Physiology*, **2003**, 285, G1153-61	5.1	48
230	A longitudinal study of rhesus monkey (Macaca mulatta) milk composition: trace elements, minerals, protein, carbohydrate, and fat. *Pediatric Research*, **1984**, 18, 911-4	3.2	48
229	Effect of phytate reduction of sorghum, through genetic modification, on iron and zinc availability as assessed by an in vitro dialysability bioaccessibility assay, Caco-2 cell uptake assay, and suckling rat pup absorption model. *Food Chemistry*, **2013**, 141, 1019-25	8.5	47
228	Bovine lactoferrin and lactoferricin exert antitumor activities on human colorectal cancer cells (HT-29) by activating various signaling pathways. *Biochemistry and Cell Biology*, **2017**, 95, 99-109	3.6	46
227	Caco-2 cell acquisition of dietary iron(III) invokes a nanoparticulate endocytic pathway. *PLoS ONE*, **2013**, 8, e81250	3.7	46
226	Metabolomic phenotyping validates the infant rhesus monkey as a model of human infant metabolism. *Journal of Pediatric Gastroenterology and Nutrition*, **2013**, 56, 355-63	2.8	46

225	Comparative Proteomics of Human and Macaque Milk Reveals Species-Specific Nutrition during Postnatal Development. *Journal of Proteome Research*, **2015**, 14, 2143-57	5.6	45
224	Nutritional adequacy of goat milk infant formulas for term infants: a double-blind randomised controlled trial. *British Journal of Nutrition*, **2014**, 111, 1641-51	3.6	45
223	Effects of short-term caloric restriction on lactational performance of well-nourished women. *Acta Paediatrica, International Journal of Paediatrics*, **1986**, 75, 222-9	3.1	45
222	Zinc, copper, calcium, and magnesium in human milk. *Journal of Pediatrics*, **1982**, 101, 504-8	3.6	44
221	Maternal zinc deficiency in rats affects growth and glucose metabolism in the offspring by inducing insulin resistance postnatally. *Journal of Nutrition*, **2010**, 140, 1621-7	4.1	43
220	miR-214 regulates lactoferrin expression and pro-apoptotic function in mammary epithelial cells. *Journal of Nutrition*, **2010**, 140, 1552-6	4.1	43
219	Baculovirus expression of mouse lactoferrin receptor and tissue distribution in the mouse. *BioMetals*, **2004**, 17, 301-9	3.4	43
218	Effects of copper supplementation on copper absorption, tissue distribution, and copper transporter expression in an infant rat model. *American Journal of Physiology - Renal Physiology*, **2005**, 288, G1007-14	5.1	43
217	Novel angiotensin-I-converting enzyme inhibitory peptides derived from recombinant human alpha s1-casein expressed in Escherichia coli. *Journal of Dairy Research*, **1999**, 66, 431-9	1.6	43
216	Developmental Physiology of Iron Absorption, Homeostasis, and Metabolism in the Healthy Term Infant. *Journal of Pediatrics*, **2015**, 167, S8-14	3.6	42
215	Absorption of iron from recombinant human lactoferrin in young US women. *American Journal of Clinical Nutrition*, **2006**, 83, 305-9	7	42
214	Intestinal regulation of copper homeostasis: a developmental perspective. *American Journal of Clinical Nutrition*, **2008**, 88, 846S-50S	7	41
213	A follow-up study of nutrient intake, nutritional status, and growth in infants with cow milk allergy fed either a soy formula or an extensively hydrolyzed whey formula. *American Journal of Clinical Nutrition*, **2005**, 82, 140-145	7	41
212	Supplementation of infant formula with the probiotic lactobacillus reuteri and zinc: impact on enteric infection and nutrition in infant rhesus monkeys. *Journal of Pediatric Gastroenterology and Nutrition*, **2002**, 35, 162-8	2.8	41
211	Calcium binding by alpha-lactalbumin in human milk and bovine milk. *Journal of Nutrition*, **1985**, 115, 1209-16	4.1	41
210	Bioactive Proteins in Human Milk-Potential Benefits for Preterm Infants. *Clinics in Perinatology*, **2017**, 44, 179-191	2.8	40
209	Molecular regulation of milk trace mineral homeostasis. *Molecular Aspects of Medicine*, **2005**, 26, 328-39	16.7	40
208	A follow-up study of nutrient intake, nutritional status, and growth in infants with cow milk allergy fed either a soy formula or an extensively hydrolyzed whey formula. *American Journal of Clinical Nutrition*, **2005**, 82, 140-5	7	40

207	Anaemia and iron deficiency during pregnancy in rural Bangladesh. *Public Health Nutrition*, **2004**, 7, 1065-70	3.3	39
206	Expression of natural antimicrobial human lysozyme in rice grains. *Molecular Breeding*, **2002**, 10, 83-94	3.4	39
205	Concentration of Lactoferrin in Human Milk and Its Variation during Lactation in Different Chinese Populations. *Nutrients*, **2018**, 10,	6.7	39
204	Development of iron homeostasis in infants and young children. *American Journal of Clinical Nutrition*, **2017**, 106, 1575S-1580S	7	38
203	Obesogenic diets alter metabolism in mice. *PLoS ONE*, **2018**, 13, e0190632	3.7	38
202	Absolute Quantification of Human Milk Caseins and the Whey/Casein Ratio during the First Year of Lactation. *Journal of Proteome Research*, **2017**, 16, 4113-4121	5.6	38
201	Inhibitory effects of native and recombinant full-length camel lactoferrin and its N and C lobes on hepatitis C virus infection of Huh7.5 cells. *Journal of Medical Microbiology*, **2012**, 61, 375-383	3.2	38
200	Ontogenic changes in lactoferrin receptor and DMT1 in mouse small intestine: implications for iron absorption during early life. *Biochemistry and Cell Biology*, **2006**, 84, 337-44	3.6	38
199	Analysis of whole blood manganese by flameless atomic absorption spectrophotometry and its use as an indicator of manganese status in animals. *Analytical Biochemistry*, **1986**, 157, 12-8	3.1	38
198	Potential host-defense role of a human milk vitamin B-12-binding protein, haptocorrin, in the gastrointestinal tract of breastfed infants, as assessed with porcine haptocorrin in vitro. *American Journal of Clinical Nutrition*, **2003**, 77, 1234-40	7	37
197	Iron retention from lactoferrin-supplemented formulas in infant rhesus monkeys. *Pediatric Research*, **1990**, 27, 176-80	3.2	37
196	Isolation and characterization of rhesus monkey milk lactoferrin. *Pediatric Research*, **1986**, 20, 197-201	3.2	37
195	Functional and molecular responses of suckling rat pups and human intestinal Caco-2 cells to copper treatment. *Journal of Nutritional Biochemistry*, **2004**, 15, 155-62	6.3	36
194	Lactoferrin receptors in piglet small intestine: Lactoferrin binding properties, ontogeny, and regional distribution in the gastrointestinal tract. *Journal of Nutritional Biochemistry*, **1993**, 4, 528-533	6.3	36
193	Higher retention of manganese in suckling than in adult rats is not due to maturational differences in manganese uptake by rat small intestine. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1989**, 26, 387-98	3.2	36
192	Casein and casein subunits in preterm milk, colostrum, and mature human milk. *Journal of Pediatric Gastroenterology and Nutrition*, **1990**, 10, 454-61	2.8	36
191	Effects of varying dietary iron on the expression of copper deficiency in the growing rat: anemia, ferroxidase I and II, tissue trace elements, ascorbic acid, and xanthine dehydrogenase. *Journal of Nutrition*, **1985**, 115, 633-49	4.1	36
190	Oral Microbiota in Infants Fed a Formula Supplemented with Bovine Milk Fat Globule Membranes - A Randomized Controlled Trial. *PLoS ONE*, **2017**, 12, e0169831	3.7	36

189	Biological effects of novel bovine milk fractions. *Nestle Nutrition Workshop Series Paediatric Programme*, **2011**, 67, 41-54		35
188	Mammary gland copper transport is stimulated by prolactin through alterations in Ctr1 and Atp7A localization. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 291, R1181-91	3.2	35
187	Iron deficiency, but not anemia, upregulates iron absorption in breast-fed peruvian infants. *Journal of Nutrition*, **2006**, 136, 2435-8	4.1	35
186	Release of zinc from maternal tissues during zinc deficiency or simultaneous zinc and calcium deficiency in the pregnant rat. *Journal of Nutrition*, **1986**, 116, 2148-54	4.1	35
185	Global microRNA characterization reveals that miR-103 is involved in IGF-1 stimulated mouse intestinal cell proliferation. *PLoS ONE*, **2010**, 5, e12976	3.7	34
184	Zinc supplementation reduces iron absorption through age-dependent changes in small intestine iron transporter expression in suckling rat pups. *Journal of Nutrition*, **2006**, 136, 1185-91	4.1	34
183	Bovine osteopontin modifies the intestinal transcriptome of formula-fed infant rhesus monkeys to be more similar to those that were breastfed. *Journal of Nutrition*, **2014**, 144, 1910-9	4.1	33
182	Regulation of mineral and trace elements in human milk: exogenous and endogenous factors. *Nutrition Reviews*, **2000**, 58, 223-9	6.4	33
181	Apo- and holo-lactoferrin stimulate proliferation of mouse crypt cells but through different cellular signaling pathways. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 91-100	5.6	32
180	Selenium content and glutathione peroxidase activity of milk from vegetarian and nonvegetarian women. *Journal of Nutrition*, **1989**, 119, 215-20	4.1	32
179	Growth factor TGF- induces intestinal epithelial cell (IEC-6) differentiation: miR-146b as a regulatory component in the negative feedback loop. *Genes and Nutrition*, **2013**, 8, 69-78	4.3	31
178	Effect of flash-heat treatment on antimicrobial activity of breastmilk. *Breastfeeding Medicine*, **2011**, 6, 111-6	2.1	31
177	Copper deficiency-induced hypercholesterolemia: effects on HDL subfractions and hepatic lipoprotein receptor activity in the rat. *Journal of Nutrition*, **1986**, 116, 1735-46	4.1	31
176	Effect of dietary iron, copper and zinc chelates of nitrilotriacetic acid (NTA) on trace metal concentrations in rat milk and maternal and pup tissues. *Journal of Nutrition*, **1980**, 110, 897-906	4.1	31
175	Fecal microbiome and metabolome of infants fed bovine MFGM supplemented formula or standard formula with breast-fed infants as reference: a randomized controlled trial. *Scientific Reports*, **2019**, 9, 11589	4.9	30
174	Biofortification of rice with zinc: assessment of the relative bioavailability of zinc in a Caco-2 cell model and suckling rat pups. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3650-7	5.7	30
173	Zinc absorption from low phytic acid genotypes of maize (Zea mays L.), Barley (Hordeum vulgare L.), and Rice (Oryza sativa L.) assessed in a suckling rat pup model. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 4755-62	5.7	30
172	Mechanisms of vitamin B(12) absorption in breast-fed infants. *Journal of Pediatric Gastroenterology and Nutrition*, **2002**, 35, 192-8	2.8	30

171	Postprandial metabolic response of breast-fed infants and infants fed lactose-free vs regular infant formula: A randomized controlled trial. *Scientific Reports*, **2017**, 7, 3640	4.9	29
170	Cloning of a pig homologue of the human lactoferrin receptor: expression and localization during intestinal maturation in piglets. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2007**, 148, 584-90	2.6	29
169	Supplementation of milk with iron bound to lactoferrin using weanling mice: L. Effects on hematology and tissue iron. *Journal of Pediatric Gastroenterology and Nutrition*, **1983**, 2, 693-700	2.8	29
168	In vitro digestion of proteins in human milk fortifiers and in preterm formula. *Journal of Pediatric Gastroenterology and Nutrition*, **1998**, 27, 30-6	2.8	29
167	Milk fat globule membrane: the role of its various components in infant health and development. *Journal of Nutritional Biochemistry*, **2020**, 85, 108465	6.3	29
166	Effects of iron supplementation on serum hepcidin and serum erythropoietin in low-birth-weight infants. *American Journal of Clinical Nutrition*, **2011**, 94, 1553-61	7	28
165	Iron metabolism in infants and children. *Food and Nutrition Bulletin*, **2007**, 28, S491-9	1.8	28
164	Effects of milking procedure on rat milk composition. *Physiology and Behavior*, **1980**, 24, 613-5	3.5	28
163	Low vitamin a intake affects milk iron level and iron transporters in rat mammary gland and liver. *Journal of Nutrition*, **2005**, 135, 27-32	4.1	27
162	Effects of chronic copper exposure during early life in rhesus monkeys. *American Journal of Clinical Nutrition*, **2005**, 81, 1065-71	7	27
161	Iron and lactoferrin in milk of anemic mothers given iron supplements. *Nutrition Research*, **1995**, 15, 681-690	4	27
160	Influence of maternal dietary zinc intake on in vitro tubulin polymerization in fetal rat brain. *Teratology*, **1990**, 41, 97-104		27
159	Isoelectric focusing of superoxide dismutase isoenzymes. *FEBS Letters*, **1979**, 108, 51-5	3.8	27
158	Metal chelate affinity chromatography of the Dolichos biflorus seed lectin and its subunits. *FEBS Letters*, **1981**, 130, 194-196	3.8	27
157	Human Milk: Bioactive Proteins/Peptides and Functional Properties. *Nestle Nutrition Institute Workshop Series*, **2016**, 86, 97-107	1.9	26
156	Iron transporters in rat mammary gland: effects of different stages of lactation and maternal iron status. *American Journal of Clinical Nutrition*, **2005**, 81, 445-53	7	26
155	Effects of osteopontin-enriched formula on lymphocyte subsets in the first 6 months of life: a randomized controlled trial. *Pediatric Research*, **2017**, 82, 63-71	3.2	25
154	Feeding Infants Formula With Probiotics or Milk Fat Globule Membrane: A Double-Blind, Randomized Controlled Trial. *Frontiers in Pediatrics*, **2019**, 7, 347	3.4	25

153	Serum, plasma and erythrocyte membrane lipidomes in infants fed formula supplemented with bovine milk fat globule membranes. *Pediatric Research*, **2018**, 84, 726-732	3.2	25
152	Lactoferrin receptor mediates apo- but not holo-lactoferrin internalization via clathrin-mediated endocytosis in trophoblasts. *Biochemical Journal*, **2008**, 411, 271-8	3.8	25
151	Age and copper intake do not affect copper absorption, measured with the use of 65Cu as a tracer, in young infants. *American Journal of Clinical Nutrition*, **2002**, 76, 641-5	7	25
150	Receptor-mediated binding of milk lactoferrin to nursing piglet enterocytes: a model for studies on absorption of lactoferrin-bound iron. *Journal of Pediatric Gastroenterology and Nutrition*, **1995**, 21, 37-43	2.8	25
149	Administration of ferrous sulfate drops has significant effects on the gut microbiota of iron-sufficient infants: a randomised controlled study. *Gut*, **2019**, 68, 2095-2097	19.2	25
148	An Opinion on "Staging" of Infant Formula: A Developmental Perspective on Infant Feeding. *Journal of Pediatric Gastroenterology and Nutrition*, **2016**, 62, 9-21	2.8	24
147	Human milk proteins: key components for the biological activity of human milk. *Advances in Experimental Medicine and Biology*, **2004**, 554, 11-25	3.6	24
146	Effects of Industrial Heating Processes of Milk-Based Enteral Formulas on Site-Specific Protein Modifications and Their Relationship to in Vitro and in Vivo Protein Digestibility. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 6787-98	5.7	23
145	Comparison of bioactivities of talactoferrin and lactoferrins from human and bovine milk. *Journal of Pediatric Gastroenterology and Nutrition*, **2014**, 59, 642-52	2.8	23
144	Iron supplementation does not affect copper and zinc absorption in breastfed infants. *American Journal of Clinical Nutrition*, **2009**, 89, 185-90	7	23
143	Effects of recombinant human prolactin on breast milk composition. *Pediatrics*, **2011**, 127, e359-66	7.4	23
142	Preclinical assessment of infant formula. *Annals of Nutrition and Metabolism*, **2012**, 60, 196-9	4.5	23
141	Zip6 (LIV-1) regulates zinc uptake in neuroblastoma cells under resting but not depolarizing conditions. *Brain Research*, **2008**, 1199, 10-9	3.7	23
140	Maternal sodium intake does not affect postprandial sodium concentrations in human milk. *Journal of Nutrition*, **1987**, 117, 1154-7	4.1	23
139	Metabolic phenotype of breast-fed infants, and infants fed standard formula or bovine MFGM supplemented formula: a randomized controlled trial. *Scientific Reports*, **2019**, 9, 339	4.9	22
138	Summary of Current Recommendations on Iron Provision and Monitoring of Iron Status for Breastfed and Formula-Fed Infants in Resource-Rich and Resource-Constrained Countries. *Journal of Pediatrics*, **2015**, 167, S40-7	3.6	22
137	Inositol phosphates influence iron uptake in Caco-2 cells. *Journal of Agricultural and Food Chemistry*, **1999**, 47, 1109-13	5.7	22
136	Marginal zinc deficiency affects maternal brain microtubule assembly in rats. *Journal of Nutrition*, **1988**, 118, 735-8	4.1	22

135	Detection of a single nucleotide polymorphism in the human alpha-lactalbumin gene: implications for human milk proteins. *Journal of Nutritional Biochemistry*, **2005**, 16, 272-8	6.3	21
134	Expression of human milk proteins in plants. *Journal of the American College of Nutrition*, **2002**, 21, 218S-221S	3.3	21
133	Different effects of zinc and copper deficiency on composition of plasma high density lipoproteins in rats. *Journal of Nutrition*, **1985**, 115, 359-68	4.1	21
132	Omics analysis reveals variations among commercial sources of bovine milk fat globule membrane. *Journal of Dairy Science*, **2020**, 103, 3002-3016	4	21
131	Bioavailability of iron from plant and animal ferritins. *Journal of Nutritional Biochemistry*, **2015**, 26, 532-40	6.3	20
130	Bioactive peptides released by in vitro digestion of standard and hydrolyzed infant formulas. *Peptides*, **2015**, 73, 101-5	3.8	20
129	Marginal maternal Zn intake in rats alters mammary gland Cu transporter levels and milk Cu concentration and affects neonatal Cu metabolism. *Journal of Nutrition*, **2003**, 133, 2141-8	4.1	20
128	Comparative aspects of dietary copper and zinc deficiencies in pregnant rats. *Journal of Nutrition*, **1983**, 113, 1448-51	4.1	20
127	Effects of milk fat globule membrane and its various components on neurologic development in a postnatal growth restriction rat model. *Journal of Nutritional Biochemistry*, **2019**, 69, 163-171	6.3	19
126	Proteomic characterization of specific minor proteins in the human milk casein fraction. *Journal of Proteome Research*, **2011**, 10, 5409-15	5.6	19
125	Effects of mode of oral iron administration on serum ferritin and haemoglobin in infants. *Acta Paediatrica, International Journal of Paediatrics*, **2008**, 97, 1055-60	3.1	19
124	Personalizing nutrient intakes of formula-fed infants: breast milk as a model. *Nestle Nutrition Workshop Series Paediatric Programme*, **2008**, 62, 189-98; discussion 198-203		19
123	Trace element nutrition of infants--molecular approaches. *Journal of Trace Elements in Medicine and Biology*, **2005**, 19, 3-6	4.1	19
122	Iron supplements reduce erythrocyte copper-zinc superoxide dismutase activity in term, breastfed infants. *Acta Paediatrica, International Journal of Paediatrics*, **2005**, 94, 1578-82	3.1	19
121	Quantitation of the major whey proteins in human milk, and development of a technique to isolate minor whey proteins. *Nutrition Research*, **1988**, 8, 853-864	4	19
120	Maternal zinc deficiency raises plasma prolactin levels in lactating rats. *Journal of Nutrition*, **2004**, 134, 1314-9	4.1	19
119	The role of milk fat globule membranes in behavior and cognitive function using a suckling rat pup supplementation model. *Journal of Nutritional Biochemistry*, **2018**, 58, 131-137	6.3	19
118	In vivo digestomics of milk proteins in human milk and infant formula using a suckling rat pup model. *Peptides*, **2017**, 88, 18-31	3.8	18

117	Effect of bovine milk fat globule membranes as a complementary food on the serum metabolome and immune markers of 6-11-month-old Peruvian infants. *Npj Science of Food*, **2018**, 2, 6	6.3	18
116	Protein composition of rhesus monkey milk: comparison to human milk. *Comparative Biochemistry and Physiology A, Comparative Physiology*, **1993**, 104, 793-7		18
115	An approach to assessing trace element bioavailability from milk in vitro. Extrinsic labeling and proteolytic degradation. *Biological Trace Element Research*, **1989**, 19, 57-69	4.5	18
114	Milk osteopontin promotes brain development by up-regulating osteopontin in the brain in early life. *FASEB Journal*, **2019**, 33, 1681-1694	0.9	18
113	Cloning and sequencing of a cDNA encoding human milk beta-casein. *FEBS Letters*, **1990**, 269, 153-6	3.8	17
112	Biological roles of milk osteopontin. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2016**, 19, 214-9	3.8	17
111	Assessment of bioactivities of the human milk lactoferrin-osteopontin complex in vitro. *Journal of Nutritional Biochemistry*, **2019**, 69, 10-18	6.3	16
110	Transcriptomic profiling of intestinal epithelial cells in response to human, bovine and commercial bovine lactoferrins. *BioMetals*, **2014**, 27, 831-41	3.4	16
109	Effect of varying dietary zinc intake of weanling mouse pups during recovery from early undernutrition on growth, body composition and composition of gain. *Journal of Nutrition*, **1988**, 118, 690-8	4.1	16
108	Teratogenesis and low copper status resulting from D-penicillamine in rats. *Teratology*, **1982**, 26, 163-5		16
107	Effects of iron supplementation on growth, gut microbiota, metabolomics and cognitive development of rat pups. *PLoS ONE*, **2017**, 12, e0179713	3.7	16
106	Osteopontin in human milk and infant formula affects infant plasma osteopontin concentrations. *Pediatric Research*, **2019**, 85, 502-505	3.2	15
105	Effects of early postnatal growth restriction and subsequent catch-up growth on body composition, insulin sensitivity, and behavior in neonatal rats. *Pediatric Research*, **2013**, 73, 596-601	3.2	15
104	□-Lactalbumin and casein-glycomacropeptide do not affect iron absorption from formula in healthy term infants. *Journal of Nutrition*, **2012**, 142, 1226-31	4.1	14
103	Extent of thermal processing of infant formula affects copper status in infant rhesus monkeys. *American Journal of Clinical Nutrition*, **2001**, 73, 914-9	7	14
102	Similar effects of zinc deficiency and restricted feeding on plasma lipids and lipoproteins in rats. *Journal of Nutrition*, **1986**, 116, 1889-95	4.1	14
101	Analysis of trace elements in animal tissues : III. Determination of managanese by graphite furnace atomic absorption spectrophotometry. *Biological Trace Element Research*, **1982**, 4, 145-56	4.5	14
100	Integrated Role of subsp. Supplementation in Gut Microbiota, Immunity, and Metabolism of Infant Rhesus Monkeys. *MSystems*, **2016**, 1,	7.6	14

99	Selenium fortification of infant formulas: does selenium form matter?. *Food and Function*, **2017**, 8, 3856-3868	3.2	13
98	The lactoferrin receptor may mediate the reduction of eosinophils in the duodenum of pigs consuming milk containing recombinant human lactoferrin. *BioMetals*, **2014**, 27, 1031-8	3.4	13
97	Iron absorption differs in piglets fed extrinsically and intrinsically 59Fe-labeled sow? milk. *Journal of Nutrition*, **1992**, 122, 1287-92	4.1	13
96	Metabolic effects of high doses of manganese in rats. *Biological Trace Element Research*, **1984**, 6, 309-15	4.5	13
95	Zinc-vitamin A interaction in pregnant and fetal rats: supplemental vitamin A does not prevent zinc-deficiency-induced teratogenesis. *Journal of Nutrition*, **1986**, 116, 1765-71	4.1	13
94	The importance and bioavailability of phytoferritin-bound iron in cereals and legume foods. *International Journal for Vitamin and Nutrition Research*, **2007**, 77, 152-7	1.7	13
93	Effects of postnatal growth restriction and subsequent catch-up growth on neurodevelopment and glucose homeostasis in rats. *BMC Physiology*, **2015**, 15, 3	0	12
92	High specific activity heme-Fe and its application for studying heme-Fe metabolism in Caco-2 cell monolayers. *American Journal of Physiology - Renal Physiology*, **2002**, 283, G1125-31	5.1	12
91	Relationship of milk iron and the changing concentration of mammary tissue transferrin receptors during the course of lactation. *Journal of Nutritional Biochemistry*, **1990**, 1, 572-6	6.3	12
90	Altered lactational performance in rats fed low carbohydrate diets and its effect on growth of neonatal rat pups. *Journal of Nutrition*, **1990**, 120, 1028-36	4.1	12
89	Mineral composition and zinc metabolism in female mice of varying age and reproductive status. *Journal of Nutrition*, **1988**, 118, 349-61	4.1	12
88	Effect of varying dietary zinc intake of weanling mouse pups during recovery from early undernutrition on tissue mineral concentrations, relative organ weights, hematological variables and muscle composition. *Journal of Nutrition*, **1988**, 118, 699-711	4.1	12
87	Zinc and copper in rat bile and pancreatic fluid: effects of surgery. *Journal of Nutrition*, **1983**, 113, 1165-8	4.1	12
86	Molecular localization of zinc in rat milk and neonatal intestine. *Journal of Nutrition*, **1980**, 110, 2414-9	4.1	12
85	Effect of marginal maternal zinc deficiency in rats on mammary gland zinc metabolism. *Journal of Nutritional Biochemistry*, **1997**, 8, 573-578	6.3	11
84	Uptake of 125I-labelled ?2-macroglobulin and albumin by human placental syncytiotrophoblast in vitro. *Journal of Cellular Biochemistry*, **1998**, 68, 427-435	4.7	11
83	Selenium supplementation of infant formula: uptake and retention of various forms of selenium in suckling rats. *Journal of Nutritional Biochemistry*, **1992**, 3, 644-652	6.3	11
82	The effect of varying dietary zinc levels on the concentration and localization of zinc in rat bile-pancreatic fluid. *Journal of Nutrition*, **1987**, 117, 1060-6	4.1	11

81	Coffee intake during pregnancy and lactation in rats: maternal and pup hematological parameters and liver iron, zinc and copper concentration. *Journal of Nutrition*, **1986**, 116, 1326-33	4.1	11
80	The Role of Protein and Free Amino Acids on Intake, Metabolism, and Gut Microbiome: A Comparison Between Breast-Fed and Formula-Fed Rhesus Monkey Infants. *Frontiers in Pediatrics*, **2019**, 7, 563	3.4	10
79	Bioavailability of urea nitrogen for the low birthweight infant. *Acta Paediatrica, International Journal of Paediatrics*, **1990**, 79, 899-905	3.1	10
78	Mode of oral iron administration and the amount of iron habitually consumed do not affect iron absorption, systemic iron utilisation or zinc absorption in iron-sufficient infants: a randomised trial. *British Journal of Nutrition*, **2016**, 116, 1046-60	3.6	10
77	Copper in fetal and neonatal development. *Novartis Foundation Symposium*, **1980**, 79, 227-45		10
76	An Experimental Approach to Rigorously Assess Paneth Cell α-Defensin (Defa) mRNA Expression in C57BL/6 Mice. *Scientific Reports*, **2019**, 9, 13115	4.9	9
75	Bioactive peptides derived from human milk proteins: an update. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2020**, 23, 217-222	3.8	9
74	Cloning and sequencing of human kappa-casein cDNA. *DNA Sequence*, **1992**, 3, 245-6		9
73	Development of a human milk protein standard. *Acta Paediatrica, International Journal of Paediatrics*, **1989**, 78, 171-9	3.1	9
72	Lactoferrin and the lactoferrin-sophorolipids-assembly can be internalized by dermal fibroblasts and regulate gene expression. *Biochemistry and Cell Biology*, **2017**, 95, 110-118	3.6	8
71	Comment on "Safety and Tolerance Evaluation of Milk Fat Globule Membrane-Enriched Infant Formulas: A Randomized Controlled Multicenter Non-Inferiority Trial in Healthy Term Infants". *Clinical Medicine Insights Pediatrics*, **2015**, 9, 63-4	1.8	8
70	Biological roles of milk osteopontin. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2016**, 1	3.8	8
69	Evaluation of Bioactivities of Bovine Milk Osteopontin Using a Knockout Mouse Model. *Journal of Pediatric Gastroenterology and Nutrition*, **2020**, 71, 125-131	2.8	8
68	A Prenatal Multiple Micronutrient Supplement Produces Higher Maternal Vitamin B-12 Concentrations and Similar Folate, Ferritin, and Zinc Concentrations as the Standard 60-mg Iron Plus 400-μg Folic Acid Supplement in Rural Bangladeshi Women. *Journal of Nutrition*, **2016**, 146, 2520-2529	4.1	8
67	Study protocol: optimized complementary feeding study (OTIS): a randomized controlled trial of the impact of a protein-reduced complementary diet based on Nordic foods. *BMC Public Health*, **2019**, 19, 134	4.1	7
66	Recombinant human milk proteins. *Nestle Nutrition Workshop Series Paediatric Programme*, **2006**, 58, 207-15; discussion 215-7		7
65	International milk genomics consortium. *Trends in Food Science and Technology*, **2006**, 17, 656-661	15.3	7
64	Human milk exosomes resist digestion in vitro and are internalized by human intestinal cells. *FASEB Journal*, **2015**, 29, 121.3	0.9	7

63	The bovine Lactoferrin-Osteopontin complex increases proliferation of human intestinal epithelial cells by activating the PI3K/Akt signaling pathway. *Food Chemistry*, **2020**, 310, 125919	8.5	7
62	Iron Oversupplementation Causes Hippocampal Iron Overloading and Impairs Social Novelty Recognition in Nursing Piglets. *Journal of Nutrition*, **2019**, 149, 398-405	4.1	7
61	Lactoferrin binding to its intestinal receptor. *Advances in Experimental Medicine and Biology*, **1991**, 310, 145-50	3.6	7
60	Effect of iron supplementation during lactation on maternal iron status and oxidative stress: A randomized controlled trial. *Maternal and Child Nutrition*, **2017**, 13,	3.4	6
59	Evaluation of Bioactivities of the Bovine Milk Lactoferrin-Osteopontin Complex in Infant Formulas. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 6104-6111	5.7	6
58	Alternative pathways for absorption of iron from foods. *Pure and Applied Chemistry*, **2010**, 82, 429-436	2.1	6
57	Effects of coffee consumption on iron, zinc and copper status in nonpregnant and pregnant Sprague-Dawley rats. *International Journal of Food Sciences and Nutrition*, **1997**, 48, 177-89	3.7	6
56	Effect of suboptimal nutrition during lactation on milk protein gene expression in the rat. *Journal of Nutritional Biochemistry*, **2006**, 17, 604-10	6.3	6
55	Stability of recombinant human alpha-1-antitrypsin produced in rice in infant formula. *Journal of Nutritional Biochemistry*, **2003**, 14, 386-93	6.3	6
54	Longitudinal changes in the mineral composition of mouse milk and the relationship to zinc metabolism of the suckling neonate. *Journal of Nutrition*, **1991**, 121, 687-99	4.1	6
53	The effects of vitamin E on zinc deficiency teratogenesis in rats. *Journal of Nutrition*, **1983**, 113, 1875-7	4.1	6
52	Drug-induced copper deficiency: a model for copper deficiency teratogenicity. *Teratology*, **1983**, 28, 155-6		6
51	Human and bovine osteopontin from milk and recombinant human osteopontin may stimulate intestinal proliferation and immune functions via various mechanisms revealed by microarray analysis. *FASEB Journal*, **2013**, 27, 45.1	0.9	6
50	EGR-1 is an active transcription factor in TGF-β-mediated small intestinal cell differentiation. *Journal of Nutritional Biochemistry*, **2016**, 37, 101-108	6.3	6
49	Biological activities of commercial bovine lactoferrin sources. *Biochemistry and Cell Biology*, **2021**, 99, 35-46	3.6	6
48	Protein-Reduced Complementary Foods Based on Nordic Ingredients Combined with Systematic Introduction of Taste Portions Increase Intake of Fruits and Vegetables in 9 Month Old Infants: A Randomised Controlled Trial. *Nutrients*, **2019**, 11,	6.7	5
47	Milk Fat Globule Membranes: Effects on Microbiome, Metabolome, and Infections in Infants and Children. *Nestle Nutrition Institute Workshop Series*, **2020**, 94, 133-140	1.9	5
46	Effects of Milk Osteopontin on Intestine, Neurodevelopment, and Immunity. *Nestle Nutrition Institute Workshop Series*, **2020**, 94, 152-157	1.9	5

45	Effects of Milk Secretory Immunoglobulin A on the Commensal Microbiota. *Nestle Nutrition Institute Workshop Series*, **2020**, 94, 158-168	1.9	5
44	Zinc and copper in milk and tissues of nursing lethal milk mutant mice. *Journal of Nutrition*, **1987**, 117, 83-90	4.1	5
43	Tryptophan, picolinic acid and zinc absorption: an unconvincing case. *Journal of Nutrition*, **1980**, 110, 2536-8	4.1	5
42	Effects of age, sex and diet on salivary nitrate and nitrite in infants. *Nitric Oxide - Biology and Chemistry*, **2020**, 94, 73-78	5	5
41	Milk Fat Globule Membrane as a Modulator of Infant Metabolism and Gut Microbiota: A Formula Supplement Narrowing the Metabolic Differences between Breastfed and Formula-Fed Infants. *Molecular Nutrition and Food Research*, **2021**, 65, e2000603	5.9	5
40	Neurodevelopment and growth until 6.5 years of infants who consumed a low-energy, low-protein formula supplemented with bovine milk fat globule membranes: a randomized controlled trial. *American Journal of Clinical Nutrition*, **2021**, 113, 586-592	7	5
39	Serum cytokine patterns are modulated in infants fed formula with probiotics or milk fat globule membranes: A randomized controlled trial. *PLoS ONE*, **2021**, 16, e0251293	3.7	4
38	Milk growth factors and expression of small intestinal growth factor receptors during the perinatal period in mice. *Pediatric Research*, **2016**, 80, 759-765	3.2	4
37	Binding of porcine milk lactoferrin to piglet intestinal lactoferrin receptor. *Advances in Experimental Medicine and Biology*, **1994**, 357, 239-44	3.6	4
36	Cloning and characterization of the human lactoferrin receptor gene promoter. *BioMetals*, **2018**, 31, 357-368	3.4	3
35	Novel insights into human lactation as a driver of infant formula development. *Nestle Nutrition Workshop Series Paediatric Programme*, **2010**, 66, 19-29		3
34	Reducing Iron Content in Infant Formula from 8 to 2 mg/L Does Not Increase the Risk of Iron Deficiency at 4 or 6 Months of Age: A Randomized Controlled Trial. *Nutrients*, **2020**, 13,	6.7	3
33	Recombinant Bovine and Human Osteopontin Generated by Chlamydomonas reinhardtii Exhibit Bioactivities Similar to Bovine Milk Osteopontin When Assessed in Mouse Pups Fed Osteopontin-Deficient Milk. *Molecular Nutrition and Food Research*, **2021**, 65, e2000644	5.9	3
32	Human intelectin-1 (ITLN1) genetic variation and intestinal expression. *Scientific Reports*, **2021**, 11, 12889	4.9	3
31	Plasma Ferritin and Hepcidin Are Lower at 4 Months Postpartum among Women with Elevated C-Reactive Protein or α_1-Acid Glycoprotein. *Journal of Nutrition*, **2017**, 147, 1194-1199	4.1	2
30	Excess Iron Enhances Purine Catabolism Through Activation of Xanthine Oxidase and Impairs Myelination in the Hippocampus of Nursing Piglets. *Journal of Nutrition*, **2019**, 149, 1911-1919	4.1	2
29	Homeostatic Regulation of Iron and Its Role in Normal and Abnormal Iron Status in Infancy and Childhood. *Annales Nestle*, **2010**, 68, 96-104		2
28	Antibodies to lactoferrin--a possible link between cow's milk intolerance and autoimmune disease. *Biochemical Society Transactions*, **1997**, 25, 317S	5.1	2

27	Bioavailability of Zn from biofortified rice assessed in a Caco? cell model and in suckling rat pups. *FASEB Journal*, **2010**, 24, 718.9	0.9	2
26	Immunological Effects of Adding Bovine Lactoferrin and Reducing Iron in Infant Formula: A Randomized Controlled Trial.. *Journal of Pediatric Gastroenterology and Nutrition*, **2021**, 74,	2.8	2
25	Mineral status of mice suckling early-, mid- and late-lactating foster dams. *Journal of Nutrition*, **1991**, 121, 700-10	4.1	1
24	Bioavailability Considerations in Planning Dietary Intake Studies. *ACS Symposium Series*, **1991**, 16-24	0.4	1
23	Osteopontin supplementation of formula shifts the peripheral blood mononuclear cell transcriptome to be more similar to breastfed infants (38.3). *FASEB Journal*, **2014**, 28, 38.3	0.9	1
22	Postnatal Iron Supplementation with Ferrous Sulfate vs. Ferrous Bis-Glycinate Chelate: Effects on Iron Metabolism, Growth, and Central Nervous System Development in Sprague Dawley Rat Pups. *Nutrients*, **2021**, 13,	6.7	1
21	Introduction: Emerging Roles of Bioactive Components in Pediatric Nutrition. *Journal of Pediatrics*, **2016**, 173 Suppl, S1-3	3.6	1
20	A mouse model and F NMR approach to investigate the effects of sialic acid supplementation on cognitive development. *FEBS Letters*, **2020**, 594, 135-143	3.8	1
19	Acceptance of a Nordic, Protein-Reduced Diet for Young Children during Complementary Feeding-A Randomized Controlled Trial. *Foods*, **2021**, 10,	4.9	1
18	Extensive variation in the intelectin gene family in laboratory and wild mouse strains. *Scientific Reports*, **2021**, 11, 15548	4.9	1
17	Metabolic Phenotype and Microbiome of Infants Fed Formula Containing Strain F-19.. *Frontiers in Pediatrics*, **2022**, 10, 856951	3.4	1
16	Human intelectin-2 (ITLN2) is selectively expressed by secretory Paneth cells.. *FASEB Journal*, **2022**, 36, e22200	0.9	0
15	Prophylactic iron supplementation in infancy: Safety issues. *Acta Paediatrica, International Journal of Paediatrics*, **2006**, 95, 1020-1020	3.1	
14	Future challenges of nutrition in pregnancy and lactation. *Nestle Nutrition Workshop Series Paediatric Programme*, **2005**, 55, 235-44; discussion 244-8		
13	A folding variant of ?lactalbumin with bactericidal activity against Streptococcus pneumoniae. *Molecular Microbiology*, **2000**, 36, 247-247	4.1	
12	Protein evaluation in growing rats of breast milk and breast milk substitutes with special reference to the content of non-protein nitrogen. *Journal of Nutrition*, **1979**, 109, 185-92	4.1	
11	WIC participation and risk factors associated with anemia and iron deficiency in 12?36 month old children from low-income families. *FASEB Journal*, **2006**, 20, A192	0.9	
10	Progesterone and zinc regulate zinc transport in human trophoblasts through changes in Zip4 and ZnT1. *FASEB Journal*, **2006**, 20, A986	0.9	

9	Bioavailability of iron from plant and animal ferritins. *FASEB Journal*, **2015**, 29, 249.7	0.9
8	TGF2 is present in infant formula, resists digestion in vitro and is biologically active. *FASEB Journal*, **2009**, 23, 344.1	0.9
7	Effect of phytate reduction of sorghum on zinc availability as assessed by in vitro dialysability, Caco-2 cell uptake, and suckling rat pups. *FASEB Journal*, **2012**, 26, 646.11	0.9
6	Increased BMI is associated with lower iron status and increased inflammation and oxidative stress in postpartum women. *FASEB Journal*, **2012**, 26, 813.2	0.9
5	Effects of early growth restriction on development and insulin sensitivity in rats. *FASEB Journal*, **2012**, 26, 651.2	0.9
4	Inflammation in postpartum women is inversely related to transferrin saturation, but is not correlated with ferritin or hepcidin. *FASEB Journal*, **2012**, 26, 118.7	0.9
3	Iron supplementation during lactation increases hemoglobin without an increase in iron status or oxidative stress. *FASEB Journal*, **2012**, 26, 114.8	0.9
2	Effect of gender on long-term effects of catch-up growth in neonatal rats. *FASEB Journal*, **2013**, 27, 345.1	0.9
1	Growth, nutrition and immune function of breast-fed infants and infants fed formula with added osteopontin (623.14). *FASEB Journal*, **2014**, 28, 623.14	0.9