

Janos Zempleni

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

178 papers	5,243 citations	40 h-index	65 g-index
190 ext. papers	6,212 ext. citations	4.3 avg, IF	6 L-index

#	Paper	IF	Citations
178	MicroRNAs are absorbed in biologically meaningful amounts from nutritionally relevant doses of cow milk and affect gene expression in peripheral blood mononuclear cells, HEK-293 kidney cell cultures, and mouse livers. <i>Journal of Nutrition</i> , 2014 , 144, 1495-500	4.1	278
177	Biotin. <i>BioFactors</i> , 2009 , 35, 36-46	6.1	213
176	The Intestinal Transport of Bovine Milk Exosomes Is Mediated by Endocytosis in Human Colon Carcinoma Caco-2 Cells and Rat Small Intestinal IEC-6 Cells. <i>Journal of Nutrition</i> , 2015 , 145, 2201-6	4.1	198
175	Milk exosomes are bioavailable and distinct microRNA cargos have unique tissue distribution patterns. <i>Scientific Reports</i> , 2018 , 8, 11321	4.9	165
174	Biological Activities of Extracellular Vesicles and Their Cargos from Bovine and Human Milk in Humans and Implications for Infants. <i>Journal of Nutrition</i> , 2017 , 147, 3-10	4.1	134
173	Uptake, localization, and noncarboxylase roles of biotin. <i>Annual Review of Nutrition</i> , 2005 , 25, 175-96	9.9	133
172	Biotinylation of histones in human cells. Effects of cell proliferation. <i>FEBS Journal</i> , 2001 , 268, 5424-9		124
171	Human vascular endothelial cells transport foreign exosomes from cow milk by endocytosis. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 310, C800-7	5.4	117
170	Regulation of gene expression by biotin (review). <i>Journal of Nutritional Biochemistry</i> , 2003 , 14, 680-90	6.3	115
169	Biotin biochemistry and human requirements. <i>Journal of Nutritional Biochemistry</i> , 1999 , 10, 128-38	6.3	110
168	Biotin and biotinidase deficiency. <i>Expert Review of Endocrinology and Metabolism</i> , 2008 , 3, 715-724	4.1	100
167	Nutrition, microRNAs, and Human Health. <i>Advances in Nutrition</i> , 2017 , 8, 105-112	10	98
166	Loss of miRNAs during processing and storage of cow milk (Bos taurus) milk. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 588-92	5.7	90
165	K8 and K12 are biotinylated in human histone H4. <i>FEBS Journal</i> , 2004 , 271, 2257-63		84
164	Lysine residues in N-terminal and C-terminal regions of human histone H2A are targets for biotinylation by biotinidase. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 225-33	6.3	81
163	Biotin supply affects expression of biotin transporters, biotinylation of carboxylases and metabolism of interleukin-2 in Jurkat cells. <i>Journal of Nutrition</i> , 2002 , 132, 887-92	4.1	81
162	K4, K9 and K18 in human histone H3 are targets for biotinylation by biotinidase. <i>FEBS Journal</i> , 2005 , 272, 4249-59	5.7	70

161	Uptake and metabolism of biotin by human peripheral blood mononuclear cells. <i>American Journal of Physiology - Cell Physiology</i> , 1998 , 275, C382-8	5.4	70
160	Marginal biotin deficiency is teratogenic. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 2000 , 223, 14-21		68
159	Biological functions of biotinylated histones. <i>Journal of Nutritional Biochemistry</i> , 2005 , 16, 446-8	6.3	65
158	K12-biotinylated histone H4 marks heterochromatin in human lymphoblastoma cells. <i>Journal of Nutritional Biochemistry</i> , 2007 , 18, 760-8	6.3	64
157	Epigenetic regulation of chromatin structure and gene function by biotin. <i>Journal of Nutrition</i> , 2006 , 136, 1763-5	4.1	64
156	Drosophila melanogaster holocarboxylase synthetase is a chromosomal protein required for normal histone biotinylation, gene transcription patterns, lifespan, and heat tolerance. <i>Journal of Nutrition</i> , 2006 , 136, 2735-42	4.1	62
155	Milk-Derived Exosomes and Metabolic Regulation. <i>Annual Review of Animal Biosciences</i> , 2019 , 7, 245-262	13.7	61
154	RNase H2-Dependent Polymerase Chain Reaction and Elimination of Confounders in Sample Collection, Storage, and Analysis Strengthen Evidence That microRNAs in Bovine Milk Are Bioavailable in Humans. <i>Journal of Nutrition</i> , 2018 , 148, 153-159	4.1	58
153	Biotinylation of histones represses transposable elements in human and mouse cells and cell lines and in Drosophila melanogaster. <i>Journal of Nutrition</i> , 2008 , 138, 2316-22	4.1	56
152	Riboflavin. <i>Advances in Nutrition</i> , 2016 , 7, 973-5	10	53
151	Biotin dependency due to a defect in biotin transport. <i>Journal of Clinical Investigation</i> , 2002 , 109, 1617-1623	16.3	53
150	Biotin supply affects rates of cell proliferation, biotinylation of carboxylases and histones, and expression of the gene encoding the sodium-dependent multivitamin transporter in JAr choriocarcinoma cells. <i>European Journal of Nutrition</i> , 2004 , 43, 23-31	5.2	52
149	Riboflavin deficiency impairs oxidative folding and secretion of apolipoprotein B-100 in HepG2 cells, triggering stress response systems. <i>Journal of Nutrition</i> , 2005 , 135, 978-82	4.1	51
148	Riboflavin deficiency causes protein and DNA damage in HepG2 cells, triggering arrest in G1 phase of the cell cycle. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 250-6	6.3	50
147	Biotinylation is a natural, albeit rare, modification of human histones. <i>Molecular Genetics and Metabolism</i> , 2011 , 104, 537-45	3.7	49
146	Holocarboxylase synthetase regulates expression of biotin transporters by chromatin remodeling events at the SMVT locus. <i>Journal of Nutritional Biochemistry</i> , 2008 , 19, 400-8	6.3	49
145	Dietary bovine milk exosomes elicit changes in bacterial communities in C57BL/6 mice. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, G618-G624	5.1	47
144	Computational Characterization of Exogenous MicroRNAs that Can Be Transferred into Human Circulation. <i>PLoS ONE</i> , 2015 , 10, e0140587	3.7	47

143	In vivo biotin supplementation at a pharmacologic dose decreases proliferation rates of human peripheral blood mononuclear cells and cytokine release. <i>Journal of Nutrition</i> , 2001 , 131, 1479-84	4.1	46
142	Exposure to UV light causes increased biotinylation of histones in Jurkat cells. <i>American Journal of Physiology - Cell Physiology</i> , 2002 , 283, C878-84	5.4	44
141	Bioavailability of biotin given orally to humans in pharmacologic doses. <i>American Journal of Clinical Nutrition</i> , 1999 , 69, 504-8	7	43
140	Gene regulation by dietary microRNAs. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015 , 93, 1097-1102	2.1	41
139	Novel histone biotinylation marks are enriched in repeat regions and participate in repression of transcriptionally competent genes. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 328-33	6.3	40
138	Prokaryotic BirA ligase biotinylates K4, K9, K18 and K23 in histone H3. <i>BMB Reports</i> , 2008 , 41, 310-5	5.5	38
137	HepG2 cells develop signs of riboflavin deficiency within 4 days of culture in riboflavin-deficient medium. <i>Journal of Nutritional Biochemistry</i> , 2005 , 16, 617-24	6.3	36
136	Holocarboxylase synthetase is a chromatin protein and interacts directly with histone H3 to mediate biotinylation of K9 and K18. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 470-5	6.3	35
135	Lipoic acid reduces the activities of biotin-dependent carboxylases in rat liver. <i>Journal of Nutrition</i> , 1997 , 127, 1776-81	4.1	35
134	Feeding Drosophila a biotin-deficient diet for multiple generations increases stress resistance and lifespan and alters gene expression and histone biotinylation patterns. <i>Journal of Nutrition</i> , 2007 , 137, 2006-12	4.1	35
133	Mitogen-induced proliferation increases biotin uptake into human peripheral blood mononuclear cells. <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 276, C1079-84	5.4	35
132	The role of histone H4 biotinylation in the structure of nucleosomes. <i>PLoS ONE</i> , 2011 , 6, e16299	3.7	35
131	Biotin. <i>Advances in Nutrition</i> , 2012 , 3, 213-4	10	34
130	The nuclear abundance of transcription factors Sp1 and Sp3 depends on biotin in Jurkat cells. <i>Journal of Nutrition</i> , 2003 , 133, 3409-15	4.1	34
129	Biotinidase catalyzes debiotinylation of histones. <i>European Journal of Nutrition</i> , 2002 , 41, 78-84	5.2	34
128	Expression of oncogenes depends on biotin in human small cell lung cancer cells NCI-H69. <i>International Journal for Vitamin and Nutrition Research</i> , 2003 , 73, 461-7	1.7	34
127	Susceptibility to heat stress and aberrant gene expression patterns in holocarboxylase synthetase-deficient Drosophila melanogaster are caused by decreased biotinylation of histones, not of carboxylases. <i>Journal of Nutrition</i> , 2007 , 137, 885-9	4.1	33
126	Oxidative folding of interleukin-2 is impaired in flavin-deficient jurkat cells, causing intracellular accumulation of interleukin-2 and increased expression of stress response genes. <i>Journal of Nutrition</i> , 2003 , 133, 668-72	4.1	33

125	Biotin supplementation increases expression of genes encoding interferon-gamma, interleukin-1beta, and 3-methylcrotonyl-CoA carboxylase, and decreases expression of the gene encoding interleukin-4 in human peripheral blood mononuclear cells. <i>Journal of Nutrition</i> , 2003 , 133, 716-9	4.1	33
124	A novel, enigmatic histone modification: biotinylation of histones by holocarboxylase synthetase. <i>Nutrition Reviews</i> , 2008 , 66, 721-5	6.4	32
123	Storage of Extracellular Vesicles in Human Milk, and MicroRNA Profiles in Human Milk Exosomes and Infant Formulas. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019 , 69, 235-238	2.8	32
122	Clusters of biotin-responsive genes in human peripheral blood mononuclear cells. <i>Journal of Nutritional Biochemistry</i> , 2004 , 15, 433-9	6.3	30
121	Biotinylation of K12 in histone H4 decreases in response to DNA double-strand breaks in human JAr choriocarcinoma cells. <i>Journal of Nutrition</i> , 2005 , 135, 2337-42	4.1	30
120	A diet defined by its content of bovine milk exosomes and their RNA cargos has moderate effects on gene expression, amino acid profiles and grip strength in skeletal muscle in C57BL/6 mice. <i>Journal of Nutritional Biochemistry</i> , 2018 , 59, 123-128	6.3	30
119	Jurkat cells respond to biotin deficiency with increased nuclear translocation of NF-kappaB, mediating cell survival. <i>International Journal for Vitamin and Nutrition Research</i> , 2004 , 74, 209-16	1.7	28
118	Identification and assessment of markers of biotin status in healthy adults. <i>British Journal of Nutrition</i> , 2013 , 110, 321-9	3.6	27
117	Monocarboxylate transporter 1 mediates biotin uptake in human peripheral blood mononuclear cells. <i>Journal of Nutrition</i> , 2003 , 133, 2703-6	4.1	27
116	NIH workshop on human milk composition: summary and visions. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 769-779	7	26
115	Interleukin-2 receptor-gamma -dependent endocytosis depends on biotin in Jurkat cells. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C415-21	5.4	25
114	Bovine milk-derived extracellular vesicles enhance inflammation and promote M1 polarization following agricultural dust exposure in mice. <i>Journal of Nutritional Biochemistry</i> , 2019 , 64, 110-120	6.3	25
113	Diet-responsive MicroRNAs Are Likely Exogenous. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25197	5.4	24
112	Nuclear receptors and epigenetic regulation: opportunities for nutritional targeting and disease prevention. <i>Advances in Nutrition</i> , 2014 , 5, 373-85	10	24
111	Biotin regulates the expression of holocarboxylase synthetase in the miR-539 pathway in HEK-293 cells. <i>Journal of Nutrition</i> , 2010 , 140, 1546-51	4.1	24
110	K12-biotinylated histone H4 is enriched in telomeric repeats from human lung IMR-90 fibroblasts. <i>Journal of Nutritional Biochemistry</i> , 2010 , 21, 310-6	6.3	24
109	Biotin availability regulates expression of the sodium-dependent multivitamin transporter and the rate of biotin uptake in HepG2 cells. <i>Molecular Genetics and Metabolism</i> , 2005 , 85, 301-7	3.7	24
108	Protective Role of Shiitake Mushroom-Derived Exosome-Like Nanoparticles in D-Galactosamine and Lipopolysaccharide-Induced Acute Liver Injury in Mice. <i>Nutrients</i> , 2020 , 12,	6.7	24

107	Proliferation of peripheral blood mononuclear cells causes increased expression of the sodium-dependent multivitamin transporter gene and increased uptake of pantothenic acidopentothic acid. <i>Journal of Nutritional Biochemistry</i> , 2001 , 12, 465-473	6.3	23
106	Low activity of LSD1 elicits a pro-inflammatory gene expression profile in riboflavin-deficient human T Lymphoma Jurkat cells. <i>Genes and Nutrition</i> , 2014 , 9, 422	4.3	22
105	N- and C-terminal domains in human holocarboxylase synthetase participate in substrate recognition. <i>Molecular Genetics and Metabolism</i> , 2009 , 96, 183-8	3.7	22
104	Biotin deficiency decreases life span and fertility but increases stress resistance in <i>Drosophila melanogaster</i> . <i>Journal of Nutritional Biochemistry</i> , 2004 , 15, 591-600	6.3	22
103	Holocarboxylase synthetase synergizes with methyl CpG binding protein 2 and DNA methyltransferase 1 in the transcriptional repression of long-terminal repeats. <i>Epigenetics</i> , 2013 , 8, 504-11	5.7	21
102	Biotin requirements for DNA damage prevention. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012 , 733, 58-60	3.3	20
101	Dietary MicroRNA Database (DMD): An Archive Database and Analytic Tool for Food-Borne microRNAs. <i>PLoS ONE</i> , 2015 , 10, e0128089	3.7	20
100	Repression of transposable elements by histone biotinylation. <i>Journal of Nutrition</i> , 2009 , 139, 2389-92	4.1	19
99	Biotin supplementation increases expression of the cytochrome P450 1B1 gene in Jurkat cells, increasing the occurrence of single-stranded DNA breaks. <i>Journal of Nutrition</i> , 2004 , 134, 2222-8	4.1	19
98	Holocarboxylase synthetase interacts physically with euchromatic histone-lysine N-methyltransferase, linking histone biotinylation with methylation events. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1446-52	6.3	18
97	Biotin requirements are lower in human Jurkat lymphoid cells but homeostatic mechanisms are similar to those of HepG2 liver cells. <i>Journal of Nutrition</i> , 2010 , 140, 1086-92	4.1	18
96	Synthesis of a rabbit polyclonal antibody to the human sodium-dependent multivitamin transporter. <i>International Journal for Vitamin and Nutrition Research</i> , 2002 , 72, 195-8	1.7	18
95	Human peripheral blood mononuclear cells: ; Inhibition of biotin transport by reversible competition with pantothenic acid is quantitatively minor. <i>Journal of Nutritional Biochemistry</i> , 1999 , 10, 427-32	6.3	18
94	Concentrations of Purine Metabolites Are Elevated in Fluids from Adults and Infants and in Livers from Mice Fed Diets Depleted of Bovine Milk Exosomes and their RNA Cargos. <i>Journal of Nutrition</i> , 2018 , 148, 1886-1894	4.1	18
93	Glucocorticoid Cell Priming Enhances Transfection Outcomes in Adult Human Mesenchymal Stem Cells. <i>Molecular Therapy</i> , 2016 , 24, 331-341	11.7	17
92	Epigenetic regulation of chromatin structure and gene function by biotin: are biotin requirements being met?. <i>Nutrition Reviews</i> , 2008 , 66 Suppl 1, S46-8	6.4	17
91	Diaminobiotin and desthiobiotin have biotin-like activities in Jurkat cells. <i>Journal of Nutrition</i> , 2003 , 133, 1259-64	4.1	17
90	Biotinylation of lysine 16 in histone H4 contributes toward nucleosome condensation. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 529, 105-11	4.1	16

89	The expression of genes encoding ribosomal subunits and eukaryotic translation initiation factor 5A depends on biotin and bisnorbiotin in HepG2 cells. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 23-30	6.3	16
88	High-throughput immunoblotting identifies biotin-dependent signaling proteins in HepG2 hepatocarcinoma cells. <i>Journal of Nutrition</i> , 2005 , 135, 1659-66	4.1	16
87	Off-target effects of sulforaphane include the derepression of long terminal repeats through histone acetylation events. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 665-8	6.3	15
86	Intrauterine vitamin B2 uptake of preterm and full-term infants. <i>Pediatric Research</i> , 1995 , 38, 585-91	3.2	15
85	Overview to symposium "Nutrients and epigenetic regulation of gene expression". <i>Journal of Nutrition</i> , 2009 , 139, 2387-8	4.1	14
84	An avidin-based assay for histone debiotinylase activity in human cell nuclei. <i>Journal of Nutritional Biochemistry</i> , 2007 , 18, 475-81	6.3	14
83	Biotin uptake into human peripheral blood mononuclear cells increases early in the cell cycle, increasing carboxylase activities. <i>Journal of Nutrition</i> , 2002 , 132, 1854-9	4.1	14
82	Chemical synthesis of biotinylated histones and analysis by sodium dodecyl sulfate-polyacrylamide gel electrophoresis/streptavidin-peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 371, 83-8	4.1	14
81	Inhibition of acetyl-CoA carboxylases by soraphen A prevents lipid accumulation and adipocyte differentiation in 3T3-L1 cells. <i>European Journal of Pharmacology</i> , 2016 , 780, 202-8	5.3	14
80	Dietary Depletion of Milk Exosomes and Their MicroRNA Cargos Elicits a Depletion of miR-200a-3p and Elevated Intestinal Inflammation and Chemokine (C-X-C Motif) Ligand 9 Expression in Mice. <i>Current Developments in Nutrition</i> , 2019 , 3, nzz122	0.4	14
79	Milk exosomes and miRNA cross the placenta and promote embryo survival in mice. <i>Reproduction</i> , 2020 , 160, 501-509	3.8	13
78	Online tools for bioinformatics analyses in nutrition sciences. <i>Advances in Nutrition</i> , 2012 , 3, 654-65	10	12
77	K16-biotinylated histone H4 is overrepresented in repeat regions and participates in the repression of transcriptionally competent genes in human Jurkat lymphoid cells. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 1559-64	6.3	12
76	Human holocarboxylase synthetase with a start site at methionine-58 is the predominant nuclear variant of this protein and has catalytic activity. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 412, 115-20	3.4	12
75	The efflux of biotin from human peripheral blood mononuclear cells. <i>Journal of Nutritional Biochemistry</i> , 1999 , 10, 105-9	6.3	12
74	Biotin dependency due to a defect in biotin transport. <i>Journal of Clinical Investigation</i> , 2002 , 109, 1617-23	5.9	12
73	Depletion of Dietary Bovine Milk Exosomes Impairs Sensorimotor Gating and Spatial Learning in C57BL/6 Mice. <i>FASEB Journal</i> , 2017 , 31, 150.4	0.9	12
72	Bovine Milk Extracellular Vesicles (EVs) Modification Elicits Skeletal Muscle Growth in Rats. <i>Frontiers in Physiology</i> , 2019 , 10, 436	4.6	11

71	Lysine biotinylation and methionine oxidation in the heat shock protein HSP60 synergize in the elimination of reactive oxygen species in human cell cultures. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 475-82	6.3	11
70	Cytosine methylation in miR-153 gene promoters increases the expression of holocarboxylase synthetase, thereby increasing the abundance of histone H4 biotinylation marks in HEK-293 human kidney cells. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 635-9	6.3	11
69	Biliary excretion of biotin and biotin metabolites is quantitatively minor in rats and pigs. <i>Journal of Nutrition</i> , 1997 , 127, 1496-500	4.1	11
68	Biotinylation of K8 and K12 co-occurs with acetylation and mono-methylation in human histone H4. <i>FASEB Journal</i> , 2006 , 20, A610	0.9	11
67	Holocarboxylase synthetase interacts physically with nuclear receptor co-repressor, histone deacetylase 1 and a novel splicing variant of histone deacetylase 1 to repress repeats. <i>Biochemical Journal</i> , 2014 , 461, 477-86	3.8	10
66	Effects of single-nucleotide polymorphisms in the human holocarboxylase synthetase gene on enzyme catalysis. <i>European Journal of Human Genetics</i> , 2012 , 20, 428-33	5.3	10
65	Sodium-dependent multivitamin transporter gene is regulated at the chromatin level by histone biotinylation in human Jurkat lymphoblastoma cells. <i>Journal of Nutrition</i> , 2009 , 139, 163-6	4.1	10
64	Biotin supplementation decreases the expression of the SERCA3 gene (ATP2A3) in Jurkat cells, thus, triggering unfolded protein response. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 272-81	6.3	10
63	Proliferation of peripheral blood mononuclear cells increases riboflavin influx. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 2000 , 225, 72-9		10
62	Novel roles of holocarboxylase synthetase in gene regulation and intermediary metabolism. <i>Nutrition Reviews</i> , 2014 , 72, 369-76	6.4	9
61	Nitric oxide signaling depends on biotin in Jurkat human lymphoma cells. <i>Journal of Nutrition</i> , 2009 , 139, 429-33	4.1	9
60	Identification of holocarboxylase synthetase chromatin binding sites in human mammary cell lines using the DNA adenine methyltransferase identification technology. <i>Analytical Biochemistry</i> , 2011 , 413, 55-9	3.1	9
59	β-Keto and β-hydroxyphosphonate analogs of biotin-5QAMP are inhibitors of holocarboxylase synthetase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 5568-5571	2.9	8
58	Transcriptional regulation of the albumin gene depends on the removal of histone methylation marks by the FAD-dependent monoamine oxidase lysine-specific demethylase 1 in HepG2 human hepatocarcinoma cells. <i>Journal of Nutrition</i> , 2014 , 144, 997-1001	4.1	8
57	Holocarboxylase synthetase catalyzes biotinylation of heat shock protein 72, thereby inducing RANTES expression in HEK-293 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 305, C1240-5 ^{5.4}		8
56	The role of holocarboxylase synthetase in genome stability is mediated partly by epigenomic synergies between methylation and biotinylation events. <i>Epigenetics</i> , 2011 , 6, 892-4	5.7	7
55	The Bioavailability and Distribution of Bovine Milk Exosomes is Distinct from that of their Cargos in Mice. <i>FASEB Journal</i> , 2017 , 31, 148.2	0.9	7
54	MicroRNAs in bovine milk exosomes are bioavailable in humans but do not elicit a robust pro-inflammatory cytokine response. <i>ExRNA</i> , 2020 , 2,	4.2	6

53	Reply to Witwer. <i>Journal of Nutrition</i> , 2014 , 144, 1881-1881	4.1	6
52	A 96-well plate assay for high-throughput analysis of holocarboxylase synthetase activity. <i>Clinica Chimica Acta</i> , 2011 , 412, 735-9	6.2	6
51	The polypeptide Syn67 interacts physically with human holocarboxylase synthetase, but is not a target for biotinylation. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 495, 35-41	4.1	6
50	Biotin deficiency stimulates survival pathways in human lymphoma cells exposed to antineoplastic drugs. <i>Journal of Nutritional Biochemistry</i> , 2005 , 16, 96-103	6.3	6
49	MicroRNAs in chicken eggs are bioavailable in healthy adults and can modulate mRNA expression in peripheral blood mononuclear cells.. <i>FASEB Journal</i> , 2015 , 29, LB322	0.9	6
48	Biotinyl-methyl 4-(amidomethyl)benzoate is a competitive inhibitor of human biotinidase. <i>Journal of Nutritional Biochemistry</i> , 2008 , 19, 826-32	6.3	5
47	Identification of Glycoproteins on the Surface of Bovine Milk Exosomes and Intestinal Cells that Facilitate Exosome Uptake in Human Colon Carcinoma Caco-2 Cells. <i>FASEB Journal</i> , 2017 , 31, 646.25	0.9	5
46	A Diet Defined by its Content of Bovine Milk Exosomes Alters the Composition of the Intestinal Microbiome in C57BL/6 Mice. <i>FASEB Journal</i> , 2017 , 31,	0.9	5
45	Ruminant Milk-Derived Extracellular Vesicles: A Nutritional and Therapeutic Opportunity?. <i>Nutrients</i> , 2021 , 13,	6.7	4
44	Three promoters regulate the transcriptional activity of the human holocarboxylase synthetase gene. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1963-9	6.3	3
43	Isolation of extracellular vesicles from byproducts of cheesemaking by tangential flow filtration yields heterogeneous fractions of nanoparticles. <i>Journal of Dairy Science</i> , 2021 , 104, 9478-9493	4	3
42	Resveratrol compounds inhibit human holocarboxylase synthetase and cause a lean phenotype in <i>Drosophila melanogaster</i> . <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 1379-84	6.3	2
41	Biokinetic analysis of vitamin absorption and disposition in humans. <i>Methods in Enzymology</i> , 1997 , 281, 405-25	1.7	2
40	Dietary Bovine Milk Exosomes Elicit Changes in Microbial Communities in C57BL/6 Mice		2
39	Nutrition, Histone Epigenetic Marks, and Disease. <i>Epigenetics and Human Health</i> , 2013 , 197-217		1
38	Enrichment of meiotic recombination hotspot sequences by avidin capture technology. <i>Gene</i> , 2013 , 516, 101-6	3.8	1
37	Preliminary evidence that lectins in infant soy formula apparently bind bovine milk exosomes and prevent their absorption in healthy adults.. <i>BMC Nutrition</i> , 2022 , 8, 7	2.5	1
36	Dietary Depletion of Bovine Milk Exosomes Elicits Changes in Amino Acid Metabolism in C57BL/6 Mice. <i>FASEB Journal</i> , 2017 , 31, 135.3	0.9	1

35	Holocarboxylase synthetase physically interacts with histone H3 to mediate biotinylation of K9 and K18. <i>FASEB Journal</i> , 2009 , 23, 555.3	0.9	1
34	Holocarboxylase synthetase (HLCS) interacts physically with nuclear corepressor (N-CoR) and histone deacetylases (HDACs) to mediate gene repression. <i>FASEB Journal</i> , 2012 , 26, 116.4	0.9	1
33	Biotinylation of the c-myc promoter binding protein MBP-1 decreases c-myc expression in mammary carcinoma MCF-7 cells. <i>FASEB Journal</i> , 2013 , 27, 639.8	0.9	1
32	Comment on "The Role of Human Breast-Milk Extracellular Vesicles in Child Health and Disease". <i>Advances in Nutrition</i> , 2021 , 12, 280	1.0	1
31	Reply to B Fromm et al. <i>Journal of Nutrition</i> , 2018 , 148, 1508	4.1	1
30	Class A scavenger receptor-1/2 facilitates the uptake of bovine milk exosomes in murine bone marrow-derived macrophages and C57BL/6J mice. <i>American Journal of Physiology - Cell Physiology</i> , 2021 , 321, C607-C614	5.4	1
29	Quantitation of Exosomes and Their MicroRNA Cargos in Frozen Human Milk. <i>JPGN Reports</i> , 2022 , 3, e172	0.3	0
28	Bovine mammary alveolar MAC-T cells afford a tool for studies of bovine milk exosomes in drug delivery. <i>International Journal of Pharmaceutics</i> , 2021 , 610, 121263	6.5	0
27	Holocarboxylase synthetase knockout is embryonic lethal in mice.. <i>PLoS ONE</i> , 2022 , 17, e0265539	3.7	0
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