

# The Role of Zinc in Growth and Cell Proliferation

Journal of Nutrition

130, 1500S-1508S

DOI: [10.1093/jn/130.5.1500s](https://doi.org/10.1093/jn/130.5.1500s)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Zinc Deficiency Impairs Immune Responses against Parasitic Nematode Infections at Intestinal and Systemic Sites. <i>Journal of Nutrition</i> , 2000, 130, 1412S-1420S.	1.3	100
2	Retinol binding protein expression is induced in HepG2 cells by zinc deficiency. <i>FEBS Letters</i> , 2001, 491, 266-271.	1.3	8
3	The positive effects of zinc on skeletal strength in growing rats. <i>Bone</i> , 2001, 29, 565-570.	1.4	99
4	Dietary Zinc Deficiency and Repletion Modulate Metallothionein Immunolocalization and Concentration in Small Intestine and Liver of Rats. <i>Journal of Nutrition</i> , 2001, 131, 2132-2138.	1.3	36
5	Ingestion of insoluble dietary fibre increased zinc and iron absorption and restored growth rate and zinc absorption suppressed by dietary phytate in rats. <i>British Journal of Nutrition</i> , 2001, 86, 443-451.	1.2	43
6	Mineral metabolism and growth. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2001, 8, 2-5.	0.6	0
7	Hemolymph analysis and evaluation of newly formulated media for culture of shrimp cells ( <i>Penaeus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	27
8	Adverse effects of large-dose zinc supplementation in an institutionalized older population with pressure ulcers. <i>Journal of the American Geriatrics Society</i> , 2001, 49, 1130-1132.	1.3	24
9	Importance of the report "Syndrome of iron deficiency anemia, hepatosplenomegaly, hypogonadism, dwarfism and geophagia". <i>Journal of Trace Elements in Experimental Medicine</i> , 2001, 14, 145-155.	0.8	3
10	Putting its fingers on stressful situations: the heavy metal-regulatory transcription factor MTF-1. <i>BioEssays</i> , 2001, 23, 1010-1017.	1.2	122
11	Insulin-like Effect of Zinc in <i>Mytilus</i> Digestive Gland Cells: Modulation of Tyrosine Kinase-Mediated Cell Signaling. <i>General and Comparative Endocrinology</i> , 2001, 122, 60-66.	0.8	38
12	Functions of zinc in signaling, proliferation and differentiation of mammalian cells. <i>BioMetals</i> , 2001, 14, 331-341.	1.8	531
13	Pancreatic Exocrine Damage Induced by Subcutaneous Injection of a Low Dosage of Zinc. <i>Biological Trace Element Research</i> , 2001, 84, 169-179.	1.9	8
14	A zinc-sensing receptor triggers the release of intracellular Ca <sup>2+</sup> and regulates ion transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11749-11754.	3.3	226
15	The Importance of Zinc in Human Nutrition and Estimation of the Global Prevalence of Zinc Deficiency. <i>Food and Nutrition Bulletin</i> , 2001, 22, 113-125.	0.5	336
16	Supplemental Zinc Lowers Measures of Iron Status in Young Women with Low Iron Reserves. <i>Journal of Nutrition</i> , 2002, 132, 1860-1864.	1.3	71
17	Short-Term Zinc Deficiency Inhibits Chondrocyte Proliferation and Induces Cell Apoptosis in the Epiphyseal Growth Plate of Young Chickens. <i>Journal of Nutrition</i> , 2002, 132, 665-673.	1.3	75
18	Postnatal Development of Zinc-Rich Terminal Fields in the Brain of the Rat. <i>Experimental Neurology</i> , 2002, 174, 215-229.	2.0	41

#	ARTICLE	IF	CITATIONS
19	Developmental Expression of in Mouse Brain: Correlation between the Vesicular Zinc Transporter Protein and Chelatable Vesicular Zinc (CVZ) Cells. Glial and Neuronal CVZ Cells Interact. <i>Molecular and Cellular Neurosciences</i> , 2002, 21, 189-204.	1.0	44
20	Interaction of dietary zinc and growth implants on weight gain, carcass traits and zinc in tissues of growing beef steers and heifers. <i>Animal Feed Science and Technology</i> , 2002, 95, 15-32.	1.1	33
21	Alterations of heme metabolism in lymphocytes and metal content in blood plasma as markers of diesel fuels effects on human organism. <i>Science of the Total Environment</i> , 2002, 286, 73-81.	3.9	12
22	Dietary zinc deficiency induced-changes in the activity of enzymes and the levels of free radicals, lipids and protein electrophoretic behavior in growing rats. <i>Toxicology</i> , 2002, 175, 223-234.	2.0	143
23	Teratogen update: Azathioprine and 6-mercaptopurine. <i>Teratology</i> , 2002, 65, 240-261.	1.8	207
24	Measurement of Zinc, Copper, Manganese, and Iron Concentrations in Hair of Pituitary Dwarfism Patients Using Flameless Atomic Absorption Spectrophotometry. <i>Biological Trace Element Research</i> , 2002, 85, 127-136.	1.9	6
25	Body Zinc Distribution Profile During N-Methyl-N-Nitrosourea-Induced Mammary Tumorigenesis in Rats at Various Levels of Dietary Zinc Intake. <i>Biological Trace Element Research</i> , 2002, 87, 157-170.	1.9	16
26	Diagnostic value of the copper/zinc ratio in hepatocellular carcinoma: a case control study. <i>Journal of Gastroenterology</i> , 2003, 38, 45-51.	2.3	44
27	The role of essential trace elements in embryonic and fetal development in livestock. <i>Veterinary Journal</i> , 2003, 166, 125-139.	0.6	162
28	Involvement of intracellular glutathione in zinc deficiency-induced activation of hepatic stellate cells. <i>Chemico-Biological Interactions</i> , 2003, 146, 89-99.	1.7	38
29	Dietary cadmium inhibits spontaneous hepatocarcinogenesis in C3H/HeN mice and hepatitis in A/J mice, but not in C57BL/6 mice. <i>Toxicology and Applied Pharmacology</i> , 2003, 186, 1-6.	1.3	10
30	Intracellular zinc fluxes associated with apoptosis in growth plate chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2003, 88, 954-969.	1.2	18
31	Monitoring of S100 homodimerization and heterodimeric interactions by the yeast two-hybrid system. <i>Microscopy Research and Technique</i> , 2003, 60, 560-568.	1.2	29
32	Zinc influences the in vitro development of peri-implantation mouse embryos. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2003, 67, 414-420.	1.6	19
33	Intracellular zinc fluctuations modulate protein tyrosine phosphatase activity in insulin/insulin-like growth factor-1 signaling. <i>Experimental Cell Research</i> , 2003, 291, 289-298.	1.2	246
34	The ERK pathway involves positive and negative regulations of HT-29 colorectal cancer cell growth by extracellular zinc. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, G1181-G1188.	1.6	25
36	Patterns of change in size and body composition. , 2003, , 75-110.		0
37	Determinants of growth. , 2003, , 111-171.		7

#	ARTICLE	IF	CITATIONS
38	Secular changes in growth and maturity. , 2003, , 172-187.		2
39	Significance of human growth. , 2003, , 188-204.		0
41	Measurement and assessment. , 2003, , 1-74.		1
42	Identification of Genes Responsive to Intracellular Zinc Depletion in the Human Colon Adenocarcinoma Cell Line HT-29. Journal of Nutrition, 2004, 134, 57-62.	1.3	43
43	Importância do zinco na nutrição humana. Revista De Nutricao, 2004, 17, 79-87.	0.4	48
44	Extracellular Zinc Triggers ERK-dependent Activation of Na <sup>+</sup> /H <sup>+</sup> Exchange in Colonocytes Mediated by the Zinc-sensing Receptor. Journal of Biological Chemistry, 2004, 279, 51804-51816.	1.6	96
45	Zinc and Fasting TFRactors in Skeletal Development. Critical Reviews in Oral Biology and Medicine, 2004, 15, 282-297.	4.4	60
46	Additional dietary zinc for weaning piglets is associated with elevated concentrations of serum IGF-I. Journal of Animal Physiology and Animal Nutrition, 2004, 88, 332-339.	1.0	33
47	Role of zinc in subclinical hepatic encephalopathy: Comparison with somatosensory-evoked potentials. Journal of Gastroenterology and Hepatology (Australia), 2004, 19, 375-379.	1.4	16
48	Zinc sulfate in the prevention of radiation-induced oropharyngeal mucositis: a prospective, placebo-controlled, randomized study. International Journal of Radiation Oncology Biology Physics, 2004, 58, 167-174.	0.4	89
49	Zinc Deficiency and Growth: Current Concepts in Relationship to Two Important Points: Intellectual and Sexual Development. Biological Trace Element Research, 2004, 99, 049-070.	1.9	23
50	Diethylenetriaminepentaacetic Acid Enhances Thyroid Hormone Action by a Transcriptional Mechanism. Biological Trace Element Research, 2004, 99, 219-232.	1.9	3
51	Elevated caspase-3 and Fas mRNA expression in jejunum of adult rats during subclinical zinc deficiency. Journal of Trace Elements in Medicine and Biology, 2004, 18, 41-45.	1.5	2
52	Are zinc-bound metallothionein isoforms (I+II and III) involved in impaired thymulin production and thymic involution during ageing?. Immunity and Ageing, 2004, 1, 5.	1.8	23
53	An investigation of changes in element distribution and chemical states during differentiation of embryonic stem cells. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 831-838.	0.8	3
54	Role of copper in tumour angiogenesis—clinical implications. Journal of Trace Elements in Medicine and Biology, 2004, 18, 1-8.	1.5	143
55	Inflammatory bowel diseases in pediatric and adolescent patients: Clinical, therapeutic, and psychosocial considerations. Gastroenterology, 2004, 126, 1550-1560.	0.6	183
56	Cloning and characterization of metallothionein gene in ayu Plecoglossus altivelis. Aquatic Toxicology, 2004, 66, 111-124.	1.9	11

#	ARTICLE	IF	CITATIONS
57	Expression of metallothionein gene during embryonic and early larval development in zebrafish. <i>Aquatic Toxicology</i> , 2004, 69, 215-227.	1.9	108
58	Plasticity of Neuroendocrine-thymus Interactions During Ontogeny and Ageing: Role of Zinc. <i>NeuroImmune Biology</i> , 2004, , 307-329.	0.2	2
59	Imbalance between pro-oxidant and pro-antioxidant functions of zinc in disease. <i>Journal of Alzheimer's Disease</i> , 2005, 8, 161-170.	1.2	65
60	A Graded Model of Dietary Zinc Deficiency: Effects on Growth, Insulin-Like Growth Factor-I, and the Glucose/Insulin Axis in Weanling Rats. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2005, 41, 72-80.	0.9	30
61	Relationship between Zinc Parameters and Either Body Weight Gain, Protein Intake or Survival Time in Zinc-Deficient Rats. <i>Journal of Nutritional Science and Vitaminology</i> , 2005, 51, 433-439.	0.2	3
62	Changes in chicken intestinal zinc exporter mRNA expression and small intestinal functionality following intra-amniotic zinc-methionine administration. <i>Journal of Nutritional Biochemistry</i> , 2005, 16, 339-346.	1.9	90
63	Zinc deficiency-induced cell death. <i>IUBMB Life</i> , 2005, 57, 661-669.	1.5	115
64	EFFECT OF ZINC SULPHATE AND ZINC METHIONINE ON GROWTH, PLASMA GROWTH HORMONE CONCENTRATION, GROWTH HORMONE RECEPTOR AND INSULIN-LIKE GROWTH FACTOR-I GENE EXPRESSION IN MICE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005, 32, 273-278.	0.9	37
65	Muscle Performance in Patients With Crohn's Disease in Clinical Remission. <i>Inflammatory Bowel Diseases</i> , 2005, 11, 296-303.	0.9	75
66	Efeitos da suplementaÃ§Ã£o com zinco sobre o crescimento, sistema imunolÃ³gico e diabetes. <i>Revista De Nutricao</i> , 2005, 18, 251-259.	0.4	13
68	Association of diet with serum insulin-like growth factor I in middle-aged and elderly men. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 1163-1167.	2.2	73
69	Chemopreventive Compounds in the Diet. , 2005, 38, 1-58.		5
70	Zinc homeostasis in the hippocampus of zinc-deficient young adult rats. <i>Neurochemistry International</i> , 2005, 46, 221-225.	1.9	60
71	The extracellular zinc-sensing receptor mediates intercellular communication by inducing ATP release. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 845-852.	1.0	29
72	Zinc and 17Î²-estradiol induce modifications in Na <sup>+</sup> /H <sup>+</sup> exchanger and pyruvate kinase activity through protein kinase C in isolated mantle/gonad cells of <i>Mytilus galloprovincialis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2005, 141, 257-266.	1.3	18
73	Exogenous recombinant human growth hormone effects during suboptimal energy and zinc intake. <i>Nutrition and Metabolism</i> , 2005, 2, 10.	1.3	5
74	Modulation of the growth hormoneâ€“insulin-like growth factor (GHâ€“IGF) axis by pharmaceutical, nutraceutical and environmental xenobiotics: An emerging role for xenobiotic-metabolizing enzymes and the transcription factors regulating their expression. A review. <i>Xenobiotica</i> , 2006, 36, 119-218.	0.5	46
75	Plasticity of neuroendocrineâ€“thymus interactions during ontogeny and ageing: Role of zinc and arginine. <i>Ageing Research Reviews</i> , 2006, 5, 281-309.	5.0	40

#	ARTICLE	IF	CITATIONS
76	Zinc is a negative regulator of hepatitis C virus RNA replication. <i>Liver International</i> , 2006, 26, 1111-1118.	1.9	53
77	Effect of Zinc Supplementation from Different Sources on Growth, Nutrient Digestibility, Blood Metabolic Profile, and Immune Response of Male Guinea Pigs. <i>Biological Trace Element Research</i> , 2006, 112, 247-262.	1.9	30
78	Effects of dietary phytase on body weight gain, body composition and bone strength in growing rats fed a low-zinc diet. <i>Journal of Nutritional Biochemistry</i> , 2006, 17, 190-196.	1.9	23
79	Zinc deficiency depresses p21 gene expression: inhibition of cell cycle progression is independent of the decrease in p21 protein level in HepG2 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C2175-C2184.	2.1	28
80	Znt7 (Slc30a7)-deficient Mice Display Reduced Body Zinc Status and Body Fat Accumulation. <i>Journal of Biological Chemistry</i> , 2007, 282, 37053-37063.	1.6	90
81	Zinc Deficiency: A Special Challenge1,. <i>Journal of Nutrition</i> , 2007, 137, 1101-1105.	1.3	330
82	A new model of cystic fibrosis pathology: Lack of transport of glutathione and its thiocyanate conjugates. <i>Medical Hypotheses</i> , 2007, 68, 101-112.	0.8	42
83	Possible inhibitory effect of oral zinc supplementation on hepatic fibrosis through downregulation of TIMP-1: A pilot study. <i>Hepatology Research</i> , 2007, 37, 405-409.	1.8	49
84	Effects of Zinc Compound on Body Weight and Recovery of Bone Marrow in Mice Treated with Total Body Irradiation. <i>Kaohsiung Journal of Medical Sciences</i> , 2007, 23, 453-462.	0.8	4
85	Effect of Organically Complexed Copper, Iron, Manganese, and Zinc on Broiler Performance, Mineral Excretion, and Accumulation in Tissues. <i>Journal of Applied Poultry Research</i> , 2007, 16, 448-455.	0.6	173
86	The Zinc Sensing Receptor, a Link Between Zinc and Cell Signaling. <i>Molecular Medicine</i> , 2007, 13, 331-336.	1.9	83
87	Mechanism and Regulation of Cellular Zinc Transport. <i>Molecular Medicine</i> , 2007, 13, 337-343.	1.9	176
88	Mild zinc deficiency and dietary phytic acid accelerates the development of fulminant hepatitis in LEC rats. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2007, 22, 150-157.	1.4	4
89	Effects of zinc deficiency on oral and periodontal diseases in rats. <i>Journal of Periodontal Research</i> , 2007, 42, 138-143.	1.4	43
90	EXPRESSION PATTERN OF METALLOTHIONEIN, MTF-1 NUCLEAR TRANSLOCATION, AND ITS DNA-BINDING ACTIVITY IN ZEBRAFISH (DANIO RERIO) INDUCED BY ZINC AND CADMIUM. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 110.	2.2	63
91	Effects of zinc on the mineralization of bone nodules from human osteoblast-like cells. <i>Biological Trace Element Research</i> , 2007, 116, 61-71.	1.9	65
92	Gene expression profiles analysis of the growing rat liver in response to different zinc status by cDNA microarray analysis. <i>Biological Trace Element Research</i> , 2007, 115, 169-185.	1.9	10
93	Zinc and the Liver: An Active Interaction. <i>Digestive Diseases and Sciences</i> , 2007, 52, 1595-1612.	1.1	127

#	ARTICLE	IF	CITATIONS
94	Modulating the immune response by oral zinc supplementation: a single approach for multiple diseases. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2008, 56, 15-30.	1.0	164
95	A Combination of Zinc and Pyridoxine Supplementation to the Diet of Laying Hens Improves Performance and Egg Quality. <i>Biological Trace Element Research</i> , 2008, 126, 165-175.	1.9	27
96	Tailoring of multilayered core-shell nanostructure for multicomponent administration and controllable release of biologically active ions. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 85A, 909-918.	2.1	3
97	External zinc stimulates proliferation of tumor Hep-2 cells by active modulation of key signaling pathways. <i>Journal of Trace Elements in Medicine and Biology</i> , 2008, 22, 149-161.	1.5	12
98	The efficacy of micronutrient supplementation in reducing the prevalence of anaemia and deficiencies of zinc and iron among adolescents in Sri Lanka. <i>European Journal of Clinical Nutrition</i> , 2008, 62, 856-865.	1.3	41
99	Iron supplementation of iron-replete Indonesian infants is associated with reduced weight-for-age. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 97, 770-775.	0.7	62
100	Differential expression of metallothioneins (MTs) 1, 2, and 3 in response to zinc treatment in human prostate normal and malignant cells and tissues. <i>Molecular Cancer</i> , 2008, 7, 7.	7.9	58
102	Effect of organic zinc supplementation on growth, nutrient utilization and mineral profile in lambs. <i>Animal Feed Science and Technology</i> , 2008, 144, 82-96.	1.1	72
103	Nutritional treatment of chronic liver failure. <i>Hepatology Research</i> , 2008, 38, S93-S101.	1.8	22
104	Organelle-Specific Zinc Detection Using Zinpyr-Labeled Fusion Proteins in Live Cells. <i>Journal of the American Chemical Society</i> , 2008, 130, 15776-15777.	6.6	192
105	ZIP7-Mediated Intracellular Zinc Transport Contributes to Aberrant Growth Factor Signaling in Antihormone-Resistant Breast Cancer Cells. <i>Endocrinology</i> , 2008, 149, 4912-4920.	1.4	198
106	Oral zinc for treating diarrhoea in children. , 2008, , CD005436.		79
107	Modulation of Maltose Preference by Selection from Dextrin, Maltose and Glucose Diets in Zinc-Deficient Rats. <i>Journal of Nutritional Science and Vitaminology</i> , 2008, 54, 203-209.	0.2	1
108	A distinct role in breast cancer for two LIV-1 family zinc transporters. <i>Biochemical Society Transactions</i> , 2008, 36, 1247-1251.	1.6	41
109	Effect of Prenatal Zinc Supplementation on Birthweight. <i>Journal of Health, Population and Nutrition</i> , 2009, 27, 619-31.	0.7	28
110	Antenatal supplementation with folic acid + iron + zinc improves linear growth and reduces peripheral adiposity in school-age children in rural Nepal. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 132-140.	2.2	86
111	Zinc Deficiency Is Common among Healthy Women of Reproductive Age in Bhaktapur, Nepal. <i>Journal of Nutrition</i> , 2009, 139, 594-597.	1.3	36
112	Prolactin regulates ZNT2 expression through the JAK2/STAT5 signaling pathway in mammary cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C369-C377.	2.1	46

#	ARTICLE	IF	CITATIONS
113	Evaluation of the Randox colorimetric serum copper and zinc assays against atomic absorption spectroscopy. <i>Annals of Clinical Biochemistry</i> , 2009, 46, 322-326.	0.8	9
114	Zinc intake during pregnancy increases the proliferation at ventricular zone of the newborn brain. <i>Nutritional Neuroscience</i> , 2009, 12, 9-12.	1.5	16
115	Zinc and cortical plasticity. <i>Brain Research Reviews</i> , 2009, 59, 347-373.	9.1	162
116	Zinc chloride stimulates DNA synthesis of mouse embryonic stem cells: Involvement of PI3K/Akt, MAPKs, and mTOR. <i>Journal of Cellular Physiology</i> , 2009, 218, 558-567.	2.0	45
117	Effect of Waterborne Zinc on Survival, Growth, and Feed Intake of Indian Major Carp, <i>Cirrhinus mrigala</i> (Hamilton). <i>Water, Air, and Soil Pollution</i> , 2009, 201, 3-7.	1.1	22
118	Mammary gland zinc metabolism: regulation and dysregulation. <i>Genes and Nutrition</i> , 2009, 4, 83-94.	1.2	58
119	Zinc: The brain's dark horse. <i>Synapse</i> , 2009, 63, 1029-1049.	0.6	229
120	Prenatal and perinatal zinc restriction: effects on body composition, glucose tolerance and insulin response in rat offspring. <i>Experimental Physiology</i> , 2009, 94, 761-769.	0.9	48
121	Decreased Brain Zinc Availability Reduces Hippocampal Neurogenesis in Mice and Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1579-1588.	2.4	127
122	Zinc Deficiency Anemia and Effects of Zinc Therapy in Maintenance Hemodialysis Patients. <i>Therapeutic Apheresis and Dialysis</i> , 2009, 13, 213-219.	0.4	67
123	Effects of zinc levels on activities of gastrointestinal enzymes in growing rats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2009, 93, 606-612.	1.0	17
124	The ubiquitous role of zinc in health and disease. <i>Journal of Veterinary Emergency and Critical Care</i> , 2009, 19, 215-240.	0.4	96
125	An Innovative Continuous Flow System for Monitoring Heavy Metal Pollution in Water Using Transgenic <i>Xenopus laevis</i> Tadpoles. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8895-8900.	4.6	29
126	Amphipod susceptibility to metals: Cautionary tales. <i>Chemosphere</i> , 2009, 75, 1423-1428.	4.2	16
127	Dietary zinc absorption is mediated by ZnT1 in <i>Drosophila melanogaster</i> . <i>FASEB Journal</i> , 2009, 23, 2650-2661.	0.2	73
128	Role of dietary zinc in heat-stressed poultry: A review. <i>Poultry Science</i> , 2009, 88, 2176-2183.	1.5	168
129	Zinc-Deficient Diet Decreases Fetal Long Bone Growth Through Decreased Bone Matrix Formation in Mice. <i>Journal of Medicinal Food</i> , 2009, 12, 118-123.	0.8	29
130	Trace mineral nutrition for broiler chickens and prospects of application of organically complexed trace minerals: a review. <i>Animal Production Science</i> , 2009, 49, 269.	0.6	78



#	ARTICLE	IF	CITATIONS
131	Effects of Zinc Exposure on Zinc Transporter Expression in Human Intestinal Cells of Varying Maturity. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2010, 50, 587-595.	0.9	30
132	The Role of Zinc in the Modulation of Neuronal Proliferation and Apoptosis. <i>Neurotoxicity Research</i> , 2010, 17, 1-14.	1.3	89
133	Systemic zinc redistribution and dyshomeostasis in cancer cachexia. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2010, 1, 23-33.	2.9	26
134	Over-expression of ZnT7 increases insulin synthesis and secretion in pancreatic $\beta$ -cells by promoting insulin gene transcription. <i>Experimental Cell Research</i> , 2010, 316, 2630-2643.	1.2	52
135	Dietary zinc absorption: A play of Zips and ZnTs in the gut. <i>IUBMB Life</i> , 2010, 62, 176-182.	1.5	99
136	Zinc retention differs between primary and transformed cells in response to zinc deprivation. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 162-170.	1.9	7
137	Phytase supplementation increases bone mineral density, lean body mass and voluntary physical activity in rats fed a low-zinc diet. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 653-658.	1.9	11
138	Atomic layer deposition of nanoporous biomaterials. <i>Materials Today</i> , 2010, 13, 60-64.	8.3	33
139	The role of zinc in the anti-tumour and anti-cachectic activity of D-myo-inositol 1,2,6-triphosphate. <i>British Journal of Cancer</i> , 2010, 102, 833-836.	2.9	8
140	LeitÃmes recÃ©m-desmamados alimentados com dietas contendo proteÃna lÃ¡ctea e zinco suplementar. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 2006-2016.	0.3	2
141	ZIP4 Regulates Pancreatic Cancer Cell Growth by Activating IL-6/STAT3 Pathway through Zinc Finger Transcription Factor CREB. <i>Clinical Cancer Research</i> , 2010, 16, 1423-1430.	3.2	85
142	Zinc toxicity to aminergic neurotransmitters in rat brain. <i>Toxicology International</i> , 2010, 17, 52.	0.1	2
143	Maternal Zinc Deficiency in Rats Affects Growth and Glucose Metabolism in the Offspring by Inducing Insulin Resistance Postnatally. <i>Journal of Nutrition</i> , 2010, 140, 1621-1627.	1.3	50
144	Roles of zinc and metallothionein-3 in oxidative stress-induced lysosomal dysfunction, cell death, and autophagy in neurons and astrocytes. <i>Molecular Brain</i> , 2010, 3, 30.	1.3	190
145	Maternal Micronutrient Deficiency, Fetal Development, and the Risk of Chronic Disease. <i>Journal of Nutrition</i> , 2010, 140, 437-445.	1.3	196
146	Zinc deficiency suppresses matrix mineralization and retards osteogenesis transiently with catch-up possibly through Runx 2 modulation. <i>Bone</i> , 2010, 46, 732-741.	1.4	175
147	Atomic layer deposition-based functionalization of materials for medical and environmental health applications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 2033-2064.	1.6	35
148	Modulation of Glioma Risk and Progression by Dietary Nutrients and Antiinflammatory Agents. <i>Nutrition and Cancer</i> , 2011, 63, 174-184.	0.9	49

#	ARTICLE	IF	CITATIONS
149	Calix[4]arene-Based 1,3-Diconjugate of Salicylyl Imine Having Dibenzyl Amine Moiety (L): Synthesis, Characterization, Receptor Properties toward Fe <sup>2+</sup> , Cu <sup>2+</sup> , and Zn <sup>2+</sup> , Crystal Structures of Its Zn <sup>2+</sup> and Cu <sup>2+</sup> Complexes, and Selective Phosphate Sensing by the [ZnL]. <i>Inorganic Chemistry</i> , 2011, 50, 7050-7058.	1.9	46
150	Zinc deficiency decreases osteoblasts and osteoclasts associated with the reduced expression of Runx2 and RANK. <i>Bone</i> , 2011, 49, 1152-1159.	1.4	52
151	In vitro prominent bone regeneration by release zinc ion from Zn-modified implant. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 273-278.	1.0	87
152	Stress responses of human dermal fibroblasts exposed to zinc pyrithione. <i>Toxicology Letters</i> , 2011, 204, 164-173.	0.4	31
153	Nanostructured glass-ceramic coatings for orthopaedic applications. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1192-1203.	1.5	36
155	Associations between blood metals and fecundity among women residing in New York State. <i>Reproductive Toxicology</i> , 2011, 31, 158-163.	1.3	53
156	On the binding of Mg <sup>2+</sup> , Ca <sup>2+</sup> , Zn <sup>2+</sup> and Cu <sup>+</sup> metal cations to 2'-deoxyguanosine: Changes on sugar puckering and strength of the -glycosidic bond. <i>Scientia Iranica</i> , 2011, 18, 1343-1352.	0.3	20
157	Mammalian metallothionein in toxicology, cancer, and cancer chemotherapy. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 1087-1101.	1.1	62
158	Dietary Supplementation of Selenium in Inorganic and Organic Forms Differentially and Commonly Alters Blood and Liver Selenium Concentrations and Liver Gene Expression Profiles of Growing Beef Heifers. <i>Biological Trace Element Research</i> , 2011, 140, 151-169.	1.9	33
159	Expression of the Zinc Transporters Genes and Metallothionein in Obese Women. <i>Biological Trace Element Research</i> , 2011, 143, 603-611.	1.9	17
160	Zinc deprivation inhibits extracellular matrix calcification through decreased synthesis of matrix proteins in osteoblasts. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 1552-1560.	1.5	41
161	Effects of copper, iron, zinc, and manganese supplementation in a corn and soybean meal diet on the growth performance, meat quality, and immune responses of broiler chickens. <i>Journal of Applied Poultry Research</i> , 2011, 20, 263-271.	0.6	48
162	Biochemical Characterization of Human ZIP13 Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 40255-40265.	1.6	139
163	Zinc - an essential micronutrient for health and development. , 0, , 737-771.		2
164	Maternal zinc restriction affects postnatal growth and glucose homeostasis in rat offspring differently depending upon adequacy of their nutrient intake. <i>Pediatric Research</i> , 2012, 71, 228-234.	1.1	14
165	A Dominant Negative Heterozygous G87R Mutation in the Zinc Transporter, ZnT-2 (SLC30A2), Results in Transient Neonatal Zinc Deficiency. <i>Journal of Biological Chemistry</i> , 2012, 287, 29348-29361.	1.6	80
166	Oral zinc for treating diarrhoea in children. , 2012, , CD005436.		35
167	THE CHARACTERIZATION, EXPRESSION AND IN SILICO STUDIES ON THE SLC39A13 GENE; IT'S INVOLVEMENT IN BREAST CANCER. <i>International Journal of Modern Physics Conference Series</i> , 2012, 09, 163-173.	0.7	1

#	ARTICLE	IF	CITATIONS
168	Cannabidiol affects the expression of genes involved in zinc homeostasis in BV-2 microglial cells. <i>Neurochemistry International</i> , 2012, 61, 923-930.	1.9	28
169	Electrostatically Embedded Many-Body Expansion for Neutral and Charged Metalloenzyme Model Systems. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1-5.	2.3	24
170	Porous scaffolds with tailored reactivity modulate in-vitro osteoblast responses. <i>Materials Science and Engineering C</i> , 2012, 32, 1818-1826.	3.8	39
171	Quantitative analysis of zinc in rat hippocampal mossy fibers by nuclear microscopy. <i>Neuroscience Research</i> , 2012, 74, 17-24.	1.0	11
172	Polymorphisms of SLC30A2 and selected perinatal factors associated with low milk zinc in Chinese breastfeeding women. <i>Early Human Development</i> , 2012, 88, 663-668.	0.8	23
173	The Human ZIP4 Transporter Has Two Distinct Binding Affinities and Mediates Transport of Multiple Transition Metals. <i>Biochemistry</i> , 2012, 51, 963-973.	1.2	70
174	Neutron activation analysis of essential elements in Multani mitti clay using miniature neutron source reactor. <i>Applied Radiation and Isotopes</i> , 2012, 70, 2362-2369.	0.7	9
175	Cellular Mechanisms of Zinc Dysregulation: A Perspective on Zinc Homeostasis as an Etiological Factor in the Development and Progression of Breast Cancer. <i>Nutrients</i> , 2012, 4, 875-903.	1.7	140
176	Possible mechanism by which zinc protects the testicular function of rats exposed to cigarette smoke. <i>Pharmacological Reports</i> , 2012, 64, 1537-1546.	1.5	20
177	Positive effects of zinc supplementation on growth, GH, IGF1, and IGFBP3 in eutrophic children. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2012, 25, 881-7.	0.4	32
178	Maternal Zinc Intakes and Homeostatic Adjustments during Pregnancy and Lactation. <i>Nutrients</i> , 2012, 4, 782-798.	1.7	97
179	Current and Novel Treatments for Ulcerative Colitis. , 2012, , .		0
180	Zinc and human health: an update. <i>Archives of Toxicology</i> , 2012, 86, 521-534.	1.9	732
181	Oral zinc therapy for zinc deficiency-related telogen effluvium. <i>Dermatologic Therapy</i> , 2012, 25, 210-213.	0.8	26
182	The effects of transformation and ZnT-1 silencing on zinc homeostasis in cultured cells. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 629-634.	1.9	13
183	Influences of increased levels of biotin, zinc or mannanâ€oligosaccharides in the diet on foot pad dermatitis in growing turkeys housed on dry and wet litter. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012, 96, 747-761.	1.0	11
184	Regulatory role of zinc during aluminiumâ€induced altered carbohydrate metabolism in rat brain. <i>Journal of Neuroscience Research</i> , 2012, 90, 698-705.	1.3	30
185	Neutron activation analysis for assessing chemical composition of dry dog foods. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 291, 245-250.	0.7	11

#	ARTICLE	IF	CITATIONS
186	Apparent zinc absorption and zinc status of weanling rats fed moderately zinc-deficient diets enriched with beef tallow or sunflower oil. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2013, 97, 710-719.	1.0	0
187	Functional analyses of <i>TaHMA</i> 2, a <i>P</i> <sub>1B</sub> -type <i>ATP</i> ase in wheat. <i>Plant Biotechnology Journal</i> , 2013, 11, 420-431.	4.1	82
188	Enhanced effect of zinc and calcium supplementation on bone status in growth hormone-deficient children treated with growth hormone: a pilot randomized controlled trial. <i>Endocrine</i> , 2013, 43, 686-695.	1.1	13
189	Zinc Promotes the Death of Hypoxic Astrocytes by Upregulating Hypoxia-Induced Hypoxia-Inducible Factor-1 $\alpha$ Expression via Poly(ADP-ribose) Polymerase-1. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 511-520.	1.9	34
190	Zinc supplementation reduces morbidity and mortality in very-low-birth-weight preterm neonates: a hospital-based randomized, placebo-controlled trial in an industrialized country. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 1468-1474.	2.2	82
191	Four issues in undernutrition-related health impact modeling. <i>Emerging Themes in Epidemiology</i> , 2013, 10, 9.	1.2	1
192	Effects of biodegradable Mg-6Zn alloy extracts on cell cycle of intestinal epithelial cells. <i>Journal of Biomaterials Applications</i> , 2013, 27, 739-747.	1.2	14
193	Subcellular redistribution and mitotic inheritance of transition metals in proliferating mouse fibroblast cells. <i>Metallomics</i> , 2013, 5, 52-61.	1.0	44
194	Insulino-mimetic and anti-diabetic effects of zinc. <i>Journal of Inorganic Biochemistry</i> , 2013, 120, 8-17.	1.5	87
195	The effect of zinc and the role of p53 in copper-induced cellular stress responses. <i>Journal of Applied Toxicology</i> , 2013, 33, 527-536.	1.4	53
196	Zinc signal: a new player in osteobiology. <i>Journal of Bone and Mineral Metabolism</i> , 2013, 31, 129-135.	1.3	57
197	Zinc: Physiology, Dietary Sources, and Requirements. , 2013, , 437-443.		10
198	Zinc transferrin stimulates red blood cell formation in the head kidney of common carp ( <i>Cyprinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2013, 166, 1-7.	0.8	13
199	Discovery of Human Zinc Deficiency: Its Impact on Human Health and Disease. <i>Advances in Nutrition</i> , 2013, 4, 176-190.	2.9	611
200	Oral zinc for treating diarrhoea in children. , 2013, , CD005436.		34
201	Gene Profile Identifies Zinc Transporters Differentially Expressed in Normal Human Organs and Human Pancreatic Cancer. <i>Current Molecular Medicine</i> , 2013, 13, 401-409.	0.6	42
202	The Role of Metallothionein in Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2013, 14, 6044-6066.	1.8	632
203	Transient Neonatal Zinc Deficiency Caused by a Heterozygous G87R Mutation in the <i>Zinc Transporter ZnT-2 (SLC30A2)</i> Gene in the Mother Highlighting the Importance of Zn <sup>2+</sup> for Normal Growth and Development. <i>International Journal of Endocrinology</i> , 2013, 2013, 1-8.	0.6	42

#	ARTICLE	IF	CITATIONS
204	Morphological and functional effects on cardiac tissue induced by moderate zinc deficiency during prenatal and postnatal life in male and female rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1574-H1583.	1.5	13
205	Addition of Selenium to <i>Carica papaya</i> Linn Pulp Extract Enhances Dermal Wound Healing Activity. <i>Tropical Journal of Pharmaceutical Research</i> , 2013, 12, .	0.2	0
206	Effect of zinc intake on serum/plasma zinc status in infants: a meta-analysis. <i>Maternal and Child Nutrition</i> , 2013, 9, 285-298.	1.4	11
207	Lack of Protective Effects of Zinc Gluconate against Rat Colon Carcinogenesis. <i>Nutrition and Cancer</i> , 2013, 65, 571-577.	0.9	5
208	Zinc supplementation in children and adolescents with acute leukemia. <i>European Journal of Clinical Nutrition</i> , 2013, 67, 1056-1059.	1.3	29
209	Effects of zinc supplementation on the radiation-induced damage in mouse intestine. <i>Acta Alimentaria</i> , 2013, 42, 1-10.	0.3	2
210	Functional studies of Drosophilazinc transporters reveal the mechanism for dietary zinc absorption and regulation. <i>BMC Biology</i> , 2013, 11, 101.	1.7	45
211	Speciation and Determination of Tellurium in Water, Soil, Sediment and other Environmental Samples. , 2013, , 535-552.		0
212	Meat supplementation increases arm muscle area in Kenyan schoolchildren. <i>British Journal of Nutrition</i> , 2013, 109, 1230-1240.	1.2	29
213	Heavy metal resistance of bacteria and its impact on the production of antioxidant enzymes. <i>African Journal of Microbiology Research</i> , 2013, 7, 2288-2296.	0.4	54
214	Effects of Dietary Zinc Manipulation on Growth Performance, Zinc Status and Immune Response during <i>Giardia lamblia</i> Infection: A Study in CD-1 Mice. <i>Nutrients</i> , 2013, 5, 3447-3460.	1.7	8
215	Nutritional deficiencies in the pediatric age group in a multicultural developed country, Israel. <i>World Journal of Clinical Cases</i> , 2014, 2, 120.	0.3	18
216	Effect of micronutrient supplementation on height velocity of underprivileged girls in comparison with un-supplemented healthy controls. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2014, 27, 245-52.	0.4	2
217	Effect of zinc on growth performance, gut morphometry, and cecal microbial community in broilers challenged with <i>Salmonella enterica</i> serovar typhimurium. <i>Journal of Microbiology</i> , 2014, 52, 1002-1011.	1.3	64
218	Role of zinc and copper in growth performance of weaning piglets. <i>Indian Journal of Animal Research</i> , 2014, 48, 575.	0.0	0
219	Zn <sup>2+</sup> -stimulation of sperm capacitation and of the acrosome reaction is mediated by EGFR activation. <i>Developmental Biology</i> , 2014, 396, 246-255.	0.9	44
220	Molecular pathogenesis of Spondylocheirodysplastic Ehlers-Danlos syndrome caused by mutant ZIP13 proteins. <i>EMBO Molecular Medicine</i> , 2014, 6, 1028-1042.	3.3	56
221	Zinc fate in animal husbandry systems. <i>Metallomics</i> , 2014, 6, 1999-2009.	1.0	20

#	ARTICLE	IF	CITATIONS
222	The Zinc-Sensing Receptor, ZnR/GPR39: Signaling and Significance. , 2014, , 111-133.		3
223	Enteral Zinc Supplementation and Growth in Extremelyâ€Lowâ€Birthâ€Weight Infants With Chronic Lung Disease. Journal of Pediatric Gastroenterology and Nutrition, 2014, 58, 183-187.	0.9	30
224	Assessment of Serum Zinc Levels of Patients with Thalassemia Compared to Their Siblings. Anemia, 2014, 2014, 1-6.	0.5	17
225	Use of Vitamins and Minerals in the Treatment of Hair Loss: A Cross-Sectional Survey among Dermatologists in Saudi Arabia. Journal of Cutaneous Medicine and Surgery, 2014, 18, 405-412.	0.6	9
226	Osteogenic activity and antibacterial effect of zinc ion implanted titanium. Colloids and Surfaces B: Biointerfaces, 2014, 117, 158-165.	2.5	205
227	Contribution of calcium-conducting channels to the transport of zinc ions. Pflugers Archiv European Journal of Physiology, 2014, 466, 381-387.	1.3	37
228	Effects of zinc supplementation and zinc chelation on in vitro $\hat{I}^2$ -cell function in INS-1E cells. BMC Research Notes, 2014, 7, 84.	0.6	30
229	Zinc Status Alters Growth and Oxidative Stress Responses in Rat Hepatoma Cells. Nutrition and Cancer, 2014, 66, 104-116.	0.9	6
230	Zinc supplementation for preventing mortality, morbidity, and growth failure in children aged 6 months to 12 years of age. The Cochrane Library, 2014, , CD009384.	1.5	108
231	Bioceramics for skeletal bone regeneration. , 2014, , 180-216.		18
232	Zinc chelation reduces traumatic brain injury-induced neurogenesis in the subgranular zone of the hippocampal dentate gyrus. Journal of Trace Elements in Medicine and Biology, 2014, 28, 474-481.	1.5	36
233	Association between ZIP10 gene expression and tumor aggressiveness in renal cell carcinoma. Gene, 2014, 552, 195-198.	1.0	24
234	3D imaging of transition metals in the zebrafish embryo by X-ray fluorescence microtomography. Metallomics, 2014, 6, 1648.	1.0	45
235	Effect of Zinc Acetate and Magnesium Sulfate Dietary Supplementation on Broiler Thigh Meat Colour, Nutrient Composition and Lipid Peroxidation Values Under Continuous Heat Stress Condition. Annals of Animal Science, 2014, 14, 353-363.	0.6	5
236	Bioavailability of iron, vitamin A, zinc, and folic acid when added to condiments and seasonings. Annals of the New York Academy of Sciences, 2015, 1357, 29-42.	1.8	20
237	Zinc Deficiency Increases Serum Concentrations of Parathyroid Hormone through a Decrease in Serum Calcium and Induces Bone Fragility in Rats. Journal of Nutritional Science and Vitaminology, 2015, 61, 382-390.	0.2	25
238	Modulation of <sup>14</sup> C-labeled glucose metabolism by zinc during aluminium induced neurodegeneration. Journal of Neuroscience Research, 2015, 93, 1434-1441.	1.3	2
239	Chondroprotective effect of zinc oxide nanoparticles in conjunction with hypoxia on bovine cartilageâ€matrix synthesis. Journal of Biomedical Materials Research - Part A, 2015, 103, 3554-3563.	2.1	12

#	ARTICLE	IF	CITATIONS
240	Essentiality of Trace Element Micronutrition in Human Pregnancy: A Systematic Review. <i>Journal of Pregnancy and Child Health</i> , 2015, 02, .	0.2	15
241	Crosstalk between Zinc Status and Giardia Infection: A New Approach. <i>Nutrients</i> , 2015, 7, 4438-4452.	1.7	14
242	Zinc in Early Life: A Key Element in the Fetus and Preterm Neonate. <i>Nutrients</i> , 2015, 7, 10427-10446.	1.7	145
243	Optimizing stem cell functions and antibacterial properties of TiO <sub>2</sub> nanotubes incorporated with ZnO nanoparticles: experiments and modeling. <i>International Journal of Nanomedicine</i> , 2015, 10, 1997.	3.3	40
244	Greater bioavailability of chelated compared with inorganic zinc in broiler chicks in the presence or absence of elevated calcium and phosphorus. <i>Open Access Animal Physiology</i> , 0, , 97.	0.3	4
245	Global Update and Trends of Hidden Hunger, 1995-2011: The Hidden Hunger Index. <i>PLoS ONE</i> , 2015, 10, e0143497.	1.1	67
246	<i>Jasada bhasma</i> , a Zinc-Based Ayurvedic Preparation: Contemporary Evidence of Antidiabetic Activity Inspires Development of a Nanomedicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-9.	0.5	14
247	Use of Placental Membranes for the Treatment of Chronic Diabetic Foot Ulcers. <i>Advances in Wound Care</i> , 2015, 4, 545-559.	2.6	43
248	Plasma levels of copper, iron and zinc in healthy primary school children from rural communities of Ebonyi State, South Eastern Nigeria. <i>International Journal of Food Safety, Nutrition and Public Health</i> , 2015, 5, 162.	0.1	0
249	Doseâ€‘responses of zincâ€‘methionine supplements on growth, blood metabolites and gastrointestinal development in sheep. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015, 99, 668-675.	1.0	18
250	Zinc. <i>Nutrition in Clinical Practice</i> , 2015, 30, 371-382.	1.1	207
251	Immunomodulatory properties and anti-apoptotic effects of zinc and melatonin in an experimental model of chronic Chagas disease. <i>Immunobiology</i> , 2015, 220, 626-633.	0.8	19
252	Zinc promotes proliferation and activation of myogenic cells via the PI3K/Akt and ERK signaling cascade. <i>Experimental Cell Research</i> , 2015, 333, 228-237.	1.2	74
253	Zn <sup>2+</sup> mediated solvent free solid state red emitting fluorescent complex formation in a mortarâ€‘pestle along with living cell imaging studies. <i>RSC Advances</i> , 2015, 5, 33878-33884.	1.7	9
254	Zinc-substituted hydroxyapatite for the inhibition of osteoporosis. , 2015, , 107-126.		6
255	Mucosal Healing in Inflammatory Bowel Diseases. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 198-207.	0.9	36
256	Effect of Zinc Supplementation on GH, IGF1, IGFBP3, OCN, and ALP in Non-Zinc-Deficient Children. <i>Journal of the American College of Nutrition</i> , 2015, 34, 290-299.	1.1	35
257	Zinc status of northern Tasmanian adults. <i>Journal of Nutritional Science</i> , 2015, 4, e15.	0.7	4

#	ARTICLE	IF	CITATIONS
258	Identification of dopaminergic neurons of the substantia nigra pars compacta as a target of manganese accumulation. <i>Metallomics</i> , 2015, 7, 748-755.	1.0	38
259	Metallothionein 2A expression and its relation to different clinical stages and grades of breast cancer in Egyptian patients. <i>Gene</i> , 2015, 571, 17-22.	1.0	8
260	Zinc and its role in immunity and inflammation. <i>Autoimmunity Reviews</i> , 2015, 14, 277-285.	2.5	531
261	Effects of zinc deficiency and zinc supplementation on homocysteine levels and related enzyme expression in rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 30, 77-82.	1.5	31
262	Accelerated Neuronal Differentiation Toward Motor Neuron Lineage from Human Embryonic Stem Cell Line (H9). <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 242-252.	1.1	13
263	A mononuclear zinc(II) complex with piroxicam: Crystal structure, DNA- and BSA-binding studies; in vitro cell cytotoxicity and molecular modeling of oxim complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1119-1133.	2.0	22
264	Association between Maternal Zinc Status, Dietary Zinc Intake and Pregnancy Complications: A Systematic Review. <i>Nutrients</i> , 2016, 8, 641.	1.7	72
265	Prevalensi dan jenis masalah emosional dan perilaku pada anak usia 9-11 tahun dengan perawakan pendek di Kabupaten Brebes. <i>Jurnal Gizi Indonesia (the Indonesian Journal of Nutrition)</i> , 2016, 3, 116-119.	0.0	1
266	Prophylactic Chronic Zinc Administration Increases Neuroinflammation in a Hypoxia-Ischemia Model. <i>Journal of Immunology Research</i> , 2016, 2016, 1-15.	0.9	10
267	Association of Increased Grain Iron and Zinc Concentrations with Agro-morphological Traits of Biofortified Rice. <i>Frontiers in Plant Science</i> , 2016, 7, 1463.	1.7	27
268	Oral zinc for treating diarrhoea in children. <i>The Cochrane Library</i> , 2017, 2017, CD005436.	1.5	151
269	Effects of dietary copper, zinc, and ractopamine hydrochloride on finishing pig growth performance, carcass characteristics, and antimicrobial susceptibility of enteric bacteria <sup>12</sup> . <i>Journal of Animal Science</i> , 2016, 94, 3278-3293.	0.2	13
270	Enhanced osteogenic and selective antibacterial activities on micro-/nano-structured carbon fiber reinforced polyetheretherketone. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2944-2953.	2.9	21
271	What can flies tell us about zinc homeostasis?. <i>Archives of Biochemistry and Biophysics</i> , 2016, 611, 134-141.	1.4	30
272	Zinc sulfate spray increases activity of carbohydrate metabolic enzymes and regulates endogenous hormone levels in apple fruit. <i>Scientia Horticulturae</i> , 2016, 211, 363-368.	1.7	24
273	<i>meta</i> -Benziporphodimethenes: New Cell Imaging Porphyrin Analogue Molecules. <i>ChemistrySelect</i> , 2016, 1, 3502-3509.	0.7	6
274	The effect of physicochemical factors on the self-association of HMGB1: A surface plasmon resonance study. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 1620-1629.	1.1	12
275	Dietary Zinc Intake and Plasma Zinc Concentrations in Children with Short Stature and Failure to Thrive. <i>Annals of Nutrition and Metabolism</i> , 2016, 69, 9-14.	1.0	3



#	ARTICLE	IF	CITATIONS
276	Osteogenic activity and antibacterial effect of zinc oxide/carboxylated graphene oxide nanocomposites: Preparation and in vitro evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 397-407.	2.5	58
277	A novel mechanism for the pyruvate protection against zinc-induced cytotoxicity: mediation by the chelating effect of citrate and isocitrate. <i>Archives of Pharmacal Research</i> , 2016, 39, 1151-1159.	2.7	16
278	Infants and elderlies are susceptible to zinc deficiency. <i>Scientific Reports</i> , 2016, 6, 21850.	1.6	76
279	Degradation of zinc containing phosphate-based glass as a material for orthopedic tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 157.	1.7	16
280	Zinc plus cyclo-(His-Pro) promotes hippocampal neurogenesis in rats. <i>Neuroscience</i> , 2016, 339, 634-643.	1.1	17
281	Comparative study of chemical and physical methods for distinguishing between passive and metabolically active mechanisms of water contaminant removal by biofilms. <i>Water Research</i> , 2016, 101, 574-581.	5.3	6
282	Effect of Zinc Intake on Growth in Infants: A Meta-analysis. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 350-363.	5.4	22
283	Early biochemical biomarkers for zinc in silver catfish ( <i>Rhamdia quelen</i> ) after acute exposure. <i>Fish Physiology and Biochemistry</i> , 2016, 42, 1005-1014.	0.9	13
284	Metals Removal by Cyanobacteria and Accumulation in Biomass. , 2016, , 61-111.		2
285	Effect of Supplementing Organic Forms of Zinc, Selenium and Chromium on Performance, Anti-Oxidant and Immune Responses in Broiler Chicken Reared in Tropical Summer. <i>Biological Trace Element Research</i> , 2016, 172, 511-520.	1.9	70
286	Induction of regulatory T cells in Th1-/Th17-driven experimental autoimmune encephalomyelitis by zinc administration. <i>Journal of Nutritional Biochemistry</i> , 2016, 29, 116-123.	1.9	69
287	Metallothioneins: Structure and Functions. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, , 3-20.	1.0	8
288	Association between serum zinc level and body composition: The Korean National Health and Nutrition Examination Survey. <i>Nutrition</i> , 2016, 32, 332-337.	1.1	15
289	Immunological orchestration of zinc homeostasis: The battle between host mechanisms and pathogen defenses. <i>Archives of Biochemistry and Biophysics</i> , 2016, 611, 66-78.	1.4	64
290	Effects of Added Zinc on Skeletal Muscle Morphometrics and Gene Expression of Finishing Pigs Fed Ractopamine-HCL. <i>Animal Biotechnology</i> , 2016, 27, 17-29.	0.7	5
291	Consumption of seaweeds and the human brain. <i>Journal of Applied Phycology</i> , 2017, 29, 2377-2398.	1.5	54
292	The role of micronutrients in the response to ambient air pollutants: Potential mechanisms and suggestions for research design. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017, 20, 38-53.	2.9	19
293	The self-association of HMGB1 and its possible role in the binding to DNA and cell membrane receptors. <i>FEBS Letters</i> , 2017, 591, 282-294.	1.3	40

#	ARTICLE	IF	CITATIONS
294	Nutrition, infection and stunting: the roles of deficiencies of individual nutrients and foods, and of inflammation, as determinants of reduced linear growth of children. <i>Nutrition Research Reviews</i> , 2017, 30, 50-72.	2.1	210
295	Mechanically Milled Irregular Zinc Nanoparticles for Printable Bioresorbable Electronics. <i>Small</i> , 2017, 13, 1700065.	5.2	50
296	Zinc Sulfate and/or Growth Hormone Administration for the Prevention of Radiation-Induced Dermatitis: a Placebo-Controlled Rat Model Study. <i>Biological Trace Element Research</i> , 2017, 179, 110-116.	1.9	8
297	Endocrine and cellular stress effects of zinc oxide nanoparticles and nifedipine in marsh frogs <i>Pelophylax ridibundus</i> . <i>Aquatic Toxicology</i> , 2017, 185, 171-182.	1.9	25
298	Evidence of Zinc in Affording Protection Against X-Ray-Induced Brain Injury in Rats. <i>Biological Trace Element Research</i> , 2017, 179, 247-258.	1.9	2
299	Evaluation of pro-inflammatory cytokines in nutritionally stunted Egyptian children. <i>The Gazette of the Egyptian Paediatric Association</i> , 2017, 65, 80-84.	0.1	12
301	Commonly Consumed Foods. <i>Food and Nutrition Bulletin</i> , 2017, 38, 65-77.	0.5	8
302	Interrogating the variation of element masses and distribution patterns in single cells using ICP-MS with a high efficiency cell introduction system. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1415-1423.	1.9	45
303	Protective effect of low dose intra-articular cadmium on inflammation and joint destruction in arthritis. <i>Scientific Reports</i> , 2017, 7, 2415.	1.6	23
304	The uncoupling of autophagy and zinc homeostasis in airway epithelial cells as a fundamental contributor to COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L453-L465.	1.3	27
305	Optimization of dietary zinc for egg production and antioxidant capacity in Chinese egg-laying ducks fed a diet based on corn-wheat bran and soybean meal. <i>Poultry Science</i> , 2017, 96, 2336-2343.	1.5	20
306	Zero valent zinc nanoparticles promote neuroglial cell proliferation: A biodegradable and conductive filler candidate for nerve regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 19.	1.7	21
307	Biofunctionalization of carbon nanotubes/chitosan hybrids on Ti implants by atom layer deposited ZnO nanostructures. <i>Applied Surface Science</i> , 2017, 400, 14-23.	3.1	96
308	Investigation the role of Fe <sub>3</sub> O <sub>4</sub> in the silica based bioactive polycrystalline modified with ZnO and CaF <sub>2</sub> . <i>Materials Research Express</i> , 2017, 4, 015401.	0.8	0
309	The effect of zinc oxide doping on mechanical and biological properties of 3D printed calcium sulfate based scaffolds. <i>Biocybernetics and Biomedical Engineering</i> , 2017, 37, 733-741.	3.3	17
310	Zinc, Insulin and IGF-I Interplay in Aging. <i>Healthy Ageing and Longevity</i> , 2017, , 57-90.	0.2	2
311	Increases in Intracellular Zinc Enhance Proliferative Signaling as well as Mitochondrial and Endolysosomal Activity in Human Melanocytes. <i>Cellular Physiology and Biochemistry</i> , 2017, 43, 1-16.	1.1	14
312	Severe Infant Rash Resistant to Therapy Due to Zinc Deficiency. <i>Pediatric Emergency Care</i> , 2017, 33, 582-584.	0.5	3

#	ARTICLE	IF	CITATIONS
313	Biocompatibility and biodegradation studies of a commercial zinc alloy for temporary mini-implant applications. <i>Scientific Reports</i> , 2017, 7, 15605.	1.6	50
314	Zinc is a critical regulator of placental morphogenesis and maternal hemodynamics during pregnancy in mice. <i>Scientific Reports</i> , 2017, 7, 15137.	1.6	37
315	Interactive effects of supplemental Zn sulfate and ractopamine hydrochloride on growth performance, carcass traits, and plasma urea nitrogen in feedlot heifers <sup>1</sup> . <i>Journal of Animal Science</i> , 2017, 95, 4638-4645.	0.2	3
316	Zinc in the Fetus and Neonate. , 2017, , 313-316.		0
317	Diet and hair loss: effects of nutrient deficiency and supplement use. <i>Dermatology Practical and Conceptual</i> , 2017, 7, 1-10.	0.5	92
318	<i>Drosophila melanogaster</i> Models of Metal-Related Human Diseases and Metal Toxicity. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1456.	1.8	66
319	A Moderate Zinc Deficiency Does Not Alter Lipid and Fatty Acid Composition in the Liver of Weanling Rats Fed Diets Rich in Cocoa Butter or Safflower Oil. <i>Journal of Nutrition and Metabolism</i> , 2017, 2017, 1-10.	0.7	9
320	Interaction between supplemental zinc oxide and zilpaterol hydrochloride on growth performance, carcass traits, and blood metabolites in feedlot steers <sup>1</sup> . <i>Journal of Animal Science</i> , 2017, 95, 5573-5583.	0.2	6
321	Increased Micronutrient Requirements during Physiologically Demanding Situations: Review of the Current Evidence. <i>Vitamins &amp; Minerals</i> , 2017, 06, .	0.2	29
322	Administration of Zinc plus Cyclo-(His-Pro) Increases Hippocampal Neurogenesis in Rats during the Early Phase of Streptozotocin-Induced Diabetes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 73.	1.8	9
323	Proteomic High Affinity Zn <sup>2+</sup> Trafficking: Where Does Metallothionein Fit in?. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1289.	1.8	24
324	Organic zinc and copper supplementation on antioxidant protective mechanism and their correlation with sperm functional characteristics in goats. <i>Reproduction in Domestic Animals</i> , 2018, 53, 644-654.	0.6	40
325	Graphene oxide as a dual Zn/Mg ion carrier and release platform: enhanced osteogenic activity and antibacterial properties. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2004-2012.	2.9	25
326	The Multiple Faces of the Metal Transporter ZIP14 (SLC39A14). <i>Journal of Nutrition</i> , 2018, 148, 174-184.	1.3	82
327	Dietary minerals, reproductive hormone levels and sporadic anovulation: associations in healthy women with regular menstrual cycles. <i>British Journal of Nutrition</i> , 2018, 120, 81-89.	1.2	13
328	A novel "off-on" type fluorescent chemosensor for detection of Zn <sup>2+</sup> and its zinc complex for "on-off" fluorescent sensing of sulfide in aqueous solution, in vitro and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 58-69.	4.0	59
329	Effects of Copper and Zinc Supplementation on Weight Gain and Hematological Parameters in Pre-weaning Calves. <i>Biological Trace Element Research</i> , 2018, 185, 327-331.	1.9	13
330	Serum zinc levels in acute psychiatric patients: A case series. <i>Psychiatry Research</i> , 2018, 261, 344-350.	1.7	6

#	ARTICLE	IF	CITATIONS
331	Prediction model for manure zinc excretion in laying hens. <i>Poultry Science</i> , 2018, 97, 267-270.	1.5	2
332	A probiotic complex, rosavin, zinc, and prebiotics ameliorate intestinal inflammation in an acute colitis mouse model. <i>Journal of Translational Medicine</i> , 2018, 16, 37.	1.8	32
333	Effects of co-exposure to lead and zinc on redox status, kidney variables, and histopathology in adult albino rats. <i>Toxicology and Industrial Health</i> , 2018, 34, 469-480.	0.6	27
334	Host Sensing by Pathogenic Fungi. <i>Advances in Applied Microbiology</i> , 2018, 102, 159-221.	1.3	9
335	Synthesis of a zinc(II) complex with hexadentate N 4 S 2 donor thioether ligand: X-ray structure, DNA binding study and DFT computation. <i>Journal of Molecular Structure</i> , 2018, 1164, 94-99.	1.8	5
336	Cryoprotective role of organic Zn and Cu supplementation in goats ( <i>Capra hircus</i> ) diet. <i>Cryobiology</i> , 2018, 81, 117-124.	0.3	20
337	Effect of Supplemental Trace Minerals on <i>Hsp-70 mRNA</i> Expression in Commercial Broiler Chicken. <i>Animal Biotechnology</i> , 2018, 29, 20-25.	0.7	11
338	Impact of Zinc Supplementation on the Clinical Outcomes of Patients with Severe Head Trauma: A Double-Blind Randomized Clinical Trial. <i>Journal of Dietary Supplements</i> , 2018, 15, 1-10.	1.4	29
339	Effect of zinc concentration and source on performance, tissue mineral status, activity of superoxide dismutase enzyme and lipid peroxidation of meat in broiler chickens. <i>Animal Production Science</i> , 2018, 58, 1837.	0.6	16
340	Application of dual cloud point extraction for the enrichment of zinc in serum samples of psychiatric patients prior to analysis by FAAS. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 58-63.	2.9	15
341	Maternal infection and anemia as prenatal predisposing factors for schizophrenia: The link with zinc deficiency. <i>Schizophrenia Research</i> , 2018, 195, 594-595.	1.1	2
342	Induction of endoplasmic reticulum stress and changes in expression levels of Zn <sup>2+</sup> -transporters in hypertrophic rat heart. <i>Molecular and Cellular Biochemistry</i> , 2018, 440, 209-219.	1.4	19
343	Effect of Zinc Supplementation on Growth Performance, Intestinal Development, and Intestinal Barrier-Related Gene Expression in Pekin Ducks. <i>Biological Trace Element Research</i> , 2018, 183, 351-360.	1.9	24
344	Effect of dietary zinc-methionine supplementation on growth performance, nutrient utilization, antioxidative properties and immune response in broiler chickens under high ambient temperature. <i>Journal of Applied Animal Research</i> , 2018, 46, 820-827.	0.4	56
345	Detoxification and cellular stress responses of unionid mussels <i>Unio tumidus</i> from two cooling ponds to combined nano-ZnO and temperature stress. <i>Chemosphere</i> , 2018, 193, 1127-1142.	4.2	20
346	Zinc ion dyshomeostasis increases resistance of prostate cancer cells to oxidative stress via upregulation of HIF1 $\alpha$ . <i>Oncotarget</i> , 2018, 9, 8463-8477.	0.8	12
347	PROTOCOL: Efficacy and effectiveness of micronutrient supplementation and fortification interventions on the health and nutritional status of children under five in low and middle-income countries: a systematic review. <i>Campbell Systematic Reviews</i> , 2018, 14, 1-36.	1.2	3
348	Effects of Dietary Zinc Levels on the Growth Performance, Organ Zinc Content, and Zinc Retention in Broiler Chickens. <i>Brazilian Journal of Poultry Science</i> , 2018, 20, 127-132.	0.3	23

#	ARTICLE	IF	CITATIONS
349	Relationship of organic mineral supplementation and spermatozoa/white blood cells mRNA in goats. <i>Animal Reproduction Science</i> , 2018, 197, 296-304.	0.5	5
350	Zinc Promotes Adipose-Derived Mesenchymal Stem Cell Proliferation and Differentiation towards a Neuronal Fate. <i>Stem Cells International</i> , 2018, 2018, 1-9.	1.2	32
351	Anti-Inflammatory and Antioxidant Effects and Zinc Deficiency. , 2018, , 1-18.		0
352	Zinc regulates vascular endothelial cell activity through zinc-sensing receptor ZnR/GPR39. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C404-C414.	2.1	64
353	Applications of Metals for Bone Regeneration. <i>International Journal of Molecular Sciences</i> , 2018, 19, 826.	1.8	159
354	The Zinc Sensing Receptor, ZnR/GPR39, in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 439.	1.8	86
355	Effect of Zinc Supplementation on Growth Outcomes in Children under 5 Years of Age. <i>Nutrients</i> , 2018, 10, 377.	1.7	68
356	Functional Nucleic Acid Based Biosensors for Transition Metal Ion Detection. , 2018, , 125-159.		0
357	Determination of Mineral Constituents, Phytochemicals and Antioxidant Qualities of Cleome gynandra, Compared to Brassica oleracea and Beta vulgaris. <i>Frontiers in Chemistry</i> , 2017, 5, 128.	1.8	37
358	Signaling pathways involved in human sperm hyperactivated motility stimulated by Zn <sup>2+</sup> . <i>Molecular Reproduction and Development</i> , 2018, 85, 543-556.	1.0	16
359	Maternal dietary antioxidant intake in pregnancy and childhood respiratory and atopic outcomes: birth cohort study. <i>European Respiratory Journal</i> , 2018, 52, 1800507.	3.1	13
360	Mineral nutrition and bone health in salmonids. <i>Reviews in Aquaculture</i> , 2019, 11, 740-765.	4.6	50
361	Hair Supplements. , 2019, , 295-304.		2
362	Preterm Birth: A Narrative Review of the Current Evidence on Nutritional and Bioactive Solutions for Risk Reduction. <i>Nutrients</i> , 2019, 11, 1811.	1.7	24
363	Role of micronutrients during peri-parturient period of dairy animals – a review. <i>Biological Rhythm Research</i> , 2021, 52, 1018-1030.	0.4	4
364	Zinc deficiency exacerbates pressure ulcers by increasing oxidative stress and ATP in the skin. <i>Journal of Dermatological Science</i> , 2019, 95, 62-69.	1.0	21
365	Organic and inorganic zinc show similar regulatory effects on the expression of some germ cell specific markers induced in bone marrow mesenchymal stem cells after treatment with retinoic acid. <i>Biologia (Poland)</i> , 2019, 74, 1721-1731.	0.8	1
366	The antimicrobial efficacy of zinc doped phosphate-based glass for treating catheter associated urinary tract infections. <i>Materials Science and Engineering C</i> , 2019, 103, 109868.	3.8	16

#	ARTICLE	IF	CITATIONS
367	Effects of Zinc Supplementation on Nutritional Status in Children with Chronic Kidney Disease: A Randomized Trial. <i>Nutrients</i> , 2019, 11, 2671.	1.7	22
368	Three-dimensional culture of endometrial cells from domestic cats: A new in vitro platform for assessing plastic toxicity. <i>PLoS ONE</i> , 2019, 14, e0217365.	1.1	12
369	Influence of zinc levels on the toxic manifestations of lead exposure among the occupationally exposed workers. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33541-33554.	2.7	10
370	Zinc source modulates intestinal inflammation and intestinal integrity of broiler chickens challenged with coccidia and <i>Clostridium perfringens</i> . <i>Poultry Science</i> , 2019, 98, 2211-2219.	1.5	38
371	Synthesis and biological evaluation of quercetinâ€“zinc (II) complex for anti-cancer and anti-metastasis of human bladder cancer cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2019, 55, 395-404.	0.7	29
372	Why is it worth testing the ability of zinc to protect against ischaemia reperfusion injury for human application. <i>Metallomics</i> , 2019, 11, 1330-1343.	1.0	16
373	Zinc containing bioactive glasses with ultra-high crystallization temperature, good biological performance and antibacterial effects. <i>Materials Science and Engineering C</i> , 2019, 104, 109910.	3.8	38
374	Zinc ions increase GH signaling ability through regulation of available plasma membraneâ€“localized GHR. <i>Journal of Cellular Physiology</i> , 2019, 234, 23388-23397.	2.0	6
375	A highly sensitive and selective fluorescent â€œoff-on-offâ€“relay chemosensor based on a new bis(salamo)-type tetraoxime for detecting Zn <sup>2+</sup> and CN <sup>-</sup> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117209.	2.0	87
376	Zinc Supplementation for Promoting Growth in Children Under 5 years of age in Low- and Middle-income Countries: A Systematic Review. <i>Indian Pediatrics</i> , 2019, 56, 391-406.	0.2	12
377	Early lifecycle UVâ€“exposure calibrates adult vitamin D metabolism: Evidence for a developmentally originated vitamin D homeostat that may alter related adult phenotypes. <i>American Journal of Human Biology</i> , 2019, 31, e23272.	0.8	7
378	Effects of Phytase Supplementation to Diets with or without Zinc Addition on Growth Performance and Zinc Utilization of White Pekin Ducks. <i>Animals</i> , 2019, 9, 280.	1.0	29
379	TRPM7, Magnesium, and Signaling. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1877.	1.8	99
380	Sublethal Doses of Zinc Protect Rat Neural Stem Cells Against Hypoxia Through Activation of the PI3K Pathway. <i>Stem Cells and Development</i> , 2019, 28, 769-780.	1.1	5
381	Zinc supplementation of dairy cows: Effects on chemical composition, nutritional quality and volatile profile of Giuncata cheese. <i>International Dairy Journal</i> , 2019, 94, 65-71.	1.5	16
382	Fetal and postnatal zinc restriction: Sex differences in metabolic alterations in adult rats. <i>Nutrition</i> , 2019, 65, 18-26.	1.1	8
383	Growth performance parameters, carcass traits, and meat quality of lambs supplemented with zinc methionine and (or) zinc oxide in feedlot system. <i>Canadian Journal of Animal Science</i> , 2019, 99, 585-595.	0.7	5
384	Signaling pathways involved in human sperm hyperactivated motility stimulated by Zn <sup>2+</sup> . <i>Molecular Reproduction and Development</i> , 2019, 86, 502-515.	1.0	9

#	ARTICLE	IF	CITATIONS
385	Elemental Metabolomics and Pregnancy Outcomes. <i>Nutrients</i> , 2019, 11, 73.	1.7	38
386	Zinc requirements of broiler breeder hens. <i>Poultry Science</i> , 2019, 98, 1288-1301.	1.5	16
387	Morphological changes in spleen after dietary zinc deficiency and supplementation in Wistar rats. <i>Pharmacological Reports</i> , 2019, 71, 206-217.	1.5	6
388	Zinc AA supplementation alters yearling ram rumen bacterial communities but zinc sulfate supplementation does not. <i>Journal of Animal Science</i> , 2019, 97, 687-697.	0.2	17
389	Food Yellow4 reprotoxicity in relation to localization of DMC1 and apoptosis in rat testes: Roles of royal jelly and cod liver oil. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 696-706.	2.9	21
390	Effect of Dietary Supplementation of Zinc and Multi-Microbe Probiotic on Growth Traits and Alteration of Intestinal Architecture in Broiler. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 931-937.	1.9	31
391	Zinc in Ruminants: Metabolism and Homeostasis. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020, 90, 9-19.	0.4	11
392	Single or Combined Applications of Zinc and Multi-strain Probiotic on Intestinal Histomorphology of Broilers Under Cyclic Heat Stress. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 473-480.	1.9	26
393	Effects of zinc deficiency on impaired spermatogenesis and male infertility: the role of oxidative stress, inflammation and apoptosis. <i>Human Fertility</i> , 2020, 23, 5-16.	0.7	41
394	A Novel Material for the Removal of Zinc from Wastewater Using <i>Sterculia Foetida</i> . <i>Journal of the Institution of Engineers (India): Series D</i> , 2020, 101, 1-6.	0.6	2
395	Zinc(II) Complexes of Acylpyrazolones Decorated with a Cyclohexyl Group Display Antiproliferative Activity Against Human Breast Cancer Cells. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1027-1039.	1.0	14
396	Foliar applied zinc increases yield, zinc concentration, and germination in wheat genotypes. <i>Agronomy Journal</i> , 2020, 112, 961-974.	0.9	9
397	Role of Biomaterials and Controlled Architecture on Tendon/Ligament Repair and Regeneration. <i>Advanced Materials</i> , 2020, 32, e1904511.	11.1	97
398	Performance, rumen fermentation, blood minerals, leukocyte and antioxidant capacity of young Holstein calves receiving high-surface ZnO instead of common ZnO. <i>Archives of Animal Nutrition</i> , 2020, 74, 189-205.	0.9	10
399	Surface Modification Strategies to Improve the Osseointegration of Poly(etheretherketone) and Its Composites. <i>Macromolecular Bioscience</i> , 2020, 20, e1900271.	2.1	73
400	Zinc interference with Cd-induced hormetic effect in differentiated Caco-2 cells: Evidence for inhibition downstream ERK activation. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020, 34, e22437.	1.4	3
401	Trace mineral metabolism and nutrient digestibility in lambs supplemented with zinc sulfate during an adrenocorticotrophic hormone challenge. <i>Livestock Science</i> , 2020, 241, 104197.	0.6	2
402	Zinc concentrations in Blue-footed booby ( <i>Sula nebouxii</i> ) eggs, nestlings, and adults. <i>Journal of Sea Research</i> , 2020, 165, 101952.	0.6	1

#	ARTICLE	IF	CITATIONS
403	Mechanical performance and biocompatibility assessment of <math>Zn_{0.05}Mg_{(0.5, 1)}Ag</math> alloys. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2925-2936.	1.6	9
404	Zinc in the Brain: Friend or Foe?. International Journal of Molecular Sciences, 2020, 21, 8941.	1.8	53
405	Combined Supplementation of Nano-Zinc Oxide and Thyme Oil Improves the Nutrient Digestibility and Reproductive Fertility in the Male Californian Rabbits. Animals, 2020, 10, 2234.	1.0	15
406	Characterization of an Aggregated Three-Dimensional Cell Culture Model by Multimodal Mass Spectrometry Imaging. Analytical Chemistry, 2020, 92, 12538-12547.	3.2	39
407	Biodegradable 3D porous zinc alloy scaffold for bone fracture fixation devices. Medical Devices & Sensors, 2020, 3, e10108.	2.7	5
408	The Transient Receptor Potential Melastatin 7 (TRPM7) Inhibitors Suppress Seizure-Induced Neuron Death by Inhibiting Zinc Neurotoxicity. International Journal of Molecular Sciences, 2020, 21, 7897.	1.8	18
409	Slc39a5-mediated zinc homeostasis plays an essential role in venous angiogenesis in zebrafish. Open Biology, 2020, 10, 200281.	1.5	9
410	Novel artifact-robust and highly visible zinc solid fiducial marker for kilovoltage x-ray image-guided radiation therapy. Medical Physics, 2020, 47, 4703-4710.	1.6	0
411	Incorporation of Bioactive Glasses Containing Mg, Sr, and Zn in Electrospun PCL Fibers by Using Benign Solvents. Applied Sciences (Switzerland), 2020, 10, 5530.	1.3	20
412	Ni-Doped ZnO-Chitin Composites for Anti-Corrosive Coating on Zn Alloy in Simulated Body Fluid Solution. Journal of Bio- and Tribo-Corrosion, 2020, 6, 1.	1.2	3
413	The Actions of IGF-1 in the Growth Plate and Its Role in Postnatal Bone Elongation. Current Osteoporosis Reports, 2020, 18, 210-227.	1.5	37
414	Don't forget the zinc. Nephrology Dialysis Transplantation, 2020, 35, 1094-1098.	0.4	10
415	Zinc as a Therapeutic Agent in Bone Regeneration. Materials, 2020, 13, 2211.	1.3	120
416	Review on calcium silicate-based bioceramics in bone tissue engineering. International Journal of Applied Ceramic Technology, 2020, 17, 2450-2464.	1.1	89
417	Strategies to Combat Heat Stress in Broiler Chickens: Unveiling the Roles of Selenium, Vitamin E and Vitamin C. Veterinary Sciences, 2020, 7, 71.	0.6	64
418	Supplementation of various zinc sources modify sexual development and testicular IGF family gene expression in pre-pubertal male Japanese quail. Research in Veterinary Science, 2020, 130, 87-92.	0.9	3
419	Adjusting serum zinc concentration for inflammation based on the data of Malawian preschool children and women of reproductive age. Nutrition, 2020, 79-80, 110841.	1.1	1
420	Chitosan-Based Bioactive Glass Gauze: Microstructural Properties, In Vitro Bioactivity, and Biological Tests. Materials, 2020, 13, 2819.	1.3	20



#	ARTICLE	IF	CITATIONS
421	Changes of Morphological Characteristics and Metabolic Profile of Walker-256 Carcinosarcoma under the Impact of Exogenous Lactoferrin. <i>Cytology and Genetics</i> , 2020, 54, 220-232.	0.2	0
422	Influence of Dietary Zinc, Copper, and Manganese on the Intestinal Health of Broilers Under Eimeria Challenge. <i>Frontiers in Veterinary Science</i> , 2020, 7, 13.	0.9	31
423	Nutritional Intake Influences Zinc Levels in Preterm Newborns: An Observational Study. <i>Nutrients</i> , 2020, 12, 529.	1.7	31
424	The influence of zinc supplementation on IGF-1 levels in humans: A systematic review and meta-analysis. <i>Journal of King Saud University - Science</i> , 2020, 32, 1824-1830.	1.6	21
425	Biofortification of Pulse Crops: Status and Future Perspectives. <i>Plants</i> , 2020, 9, 73.	1.6	121
426	Fate Determination of ZnO in Commercial Foods and Human Intestinal Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 433.	1.8	22
427	Supplementation of a water-soluble zinc- $\alpha$ -AA complex to reduce stress in broilers, pullets, and layers1. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	0
428	Association of Serum Zinc Levels in Overweight and Obesity. <i>Biological Trace Element Research</i> , 2020, 198, 51-57.	1.9	46
429	Zinc transporter 3 modulates cell proliferation and neuronal differentiation in the adult hippocampus. <i>Stem Cells</i> , 2020, 38, 994-1006.	1.4	22
430	Biomaterial-induced microenvironment and host reaction in bone regeneration. , 2020, , 105-181.		3
431	X-ray fluorescence microscopy: A method of measuring ion concentrations in the ear. <i>Hearing Research</i> , 2020, 391, 107948.	0.9	6
432	Tools and techniques for illuminating the cell biology of zinc. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118865.	1.9	39
433	The association of serum levels of zinc and vitamin D with wasting among Iranian pre-school children. <i>Eating and Weight Disorders</i> , 2021, 26, 211-218.	1.2	5
434	Sol-gel based synthesis and biological properties of zinc integrated nano bioglass ceramics for bone tissue regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 5.	1.7	18
435	Current Evidence for Nutrition Intervention: A Meta-analysis. <i>Journal of Food and Nutrition Sciences</i> , 2021, 9, 73.	0.2	0
436	Neurobiology of zinc and its role in neurogenesis. <i>European Journal of Nutrition</i> , 2021, 60, 55-64.	1.8	35
437	Effect of exposure time on corrosion behavior of zinc-alloy in simulated body fluid solution: Electrochemical and surface investigation. <i>Journal of Materials Research and Technology</i> , 2021, 10, 738-751.	2.6	22
438	THE EFFECT OF ADDING DIFFERENT LEVELS OF NANO AND NON-NANO ZINC OXIDE TO THE DIET ON PHYSIOLOGICAL TRAITS OF SOME BROILERS. <i>Plant Archives</i> , 2021, 21, 875-881.	0.1	1

#	ARTICLE	IF	CITATIONS
439	EFFECT OF SPRAYING WITH ORGANIC FERTILIZERS AND ZINC ON GROWTH AND FLOWERING OF FREESIA HYBRIDA. Plant Archives, 2021, 21, 1718-1721.	0.1	0
440	Diet as a Potential Moderator for Genome Stability and Immune Response in Pediatric Leukemia. Cancers, 2021, 13, 413.	1.7	2
441	Calcium-based ceramic biomaterials. , 2021, , 333-394.		2
442	Zinc Status in Beta-Thalassemia Major. Open Access Macedonian Journal of Medical Sciences, 2020, 9, 149-153.	0.1	0
443	Zinc supplementation in ruminant diets: efficacy, safety, and formulation. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , .	0.6	0
444	Nano zinc supplementation in goat ( Capra hircus ) ration improves immunity, serum zinc profile and IGFâ€1 hormones without affecting thyroid hormones. Journal of Animal Physiology and Animal Nutrition, 2021, 105, 621-629.	1.0	6
445	Potentially toxic elements in river water and associated health risks in Ropar Wetland, India and its vicinity. International Journal of Environmental Science and Technology, 2022, 19, 475-498.	1.8	4
446	In Vitro Bioactivity and Antibacterial Activity of Strontium-, Magnesium-, and Zinc-Multidoped Hydroxyapatite Porous Coatings Applied via Atmospheric Plasma Spraying. ACS Applied Bio Materials, 2021, 4, 2523-2533.	2.3	22
447	Towards Zero Zinc Oxide: Feeding Strategies to Manage Post-Weaning Diarrhea in Piglets. Animals, 2021, 11, 642.	1.0	82
448	ZnT7 RNAi favors RafGOFscribâ€™/â€™-induced tumor growth and invasion in Drosophila through JNK signaling pathway. Oncogene, 2021, 40, 2217-2229.	2.6	11
449	The effect of zinc on human trophoblast proliferation and oxidative stress. Journal of Nutritional Biochemistry, 2021, 90, 108574.	1.9	2
450	Theoretical, spectroscopic study about evaluation of trace elements (zinc and cadmium) Âµmol/L for pregnant women of age bearing during trimester. Materials Today: Proceedings, 2021, , .	0.9	0
451	((effect of early feeding with zinc-methionine on improving growth performance and some) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 267 T 2021, 722, 012035.	0.2	1
452	Hybrid ZnO/chitosan antimicrobial coatings with enhanced mechanical and bioactive properties for titanium implants. Carbohydrate Polymers, 2021, 257, 117639.	5.1	62
453	Short-Term Inhalation of Ultrafine Zinc Particles Could Alleviate Cardiac Dysfunctions in Rats of Myocardial Infarction. Frontiers in Bioengineering and Biotechnology, 2021, 9, 646533.	2.0	5
454	Surface characteristics and osteocompatibility of titanium preserved in a ZnS@BSA-containing storage solution. Materials Research Express, 2021, 8, 045403.	0.8	0
455	Quantitative Analysis of Serum Zinc Levels in Primary Brain Tumor Patients. Biological Trace Element Research, 2022, 200, 568-573.	1.9	0
456	Nutrition and hair. Clinics in Dermatology, 2021, 39, 809-818.	0.8	5

#	ARTICLE	IF	CITATIONS
457	An activated zinc oral rinse reduces pro-inflammatory cytokine secretion and promotes proliferation in <i>Porphyromonas gingivalis</i> LPS-challenged gingival tissues – A pilot study. <i>Clinical and Experimental Dental Research</i> , 2021, 7, 995-1001.	0.8	4
458	Impact of the surface modifications and cell culture techniques on the biomechanical properties of PDMS in relation to cell growth behavior. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 886-897.	1.8	3
459	Association of Zinc Deficiency with Development of CVD Events in Patients with CKD. <i>Nutrients</i> , 2021, 13, 1680.	1.7	33
460	Taste Sensitivity of Elderly People Is Associated with Quality of Life and Inadequate Dietary Intake. <i>Nutrients</i> , 2021, 13, 1693.	1.7	20
461	Regulation of GH and GH Signaling by Nutrients. <i>Cells</i> , 2021, 10, 1376.	1.8	40
462	Endogenous zinc protoporphyrin formation critically contributes to hemorrhagic stroke-induced brain damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3232-3247.	2.4	2
463	Avenues for biofortification of zinc in barley for human and animal health: a meta-analysis. <i>Plant and Soil</i> , 2021, 466, 101-119.	1.8	5
464	Serum zinc status is a matter of concern among children and non-pregnant women in a nationwide survey of Nepal. <i>Scientific Reports</i> , 2021, 11, 14904.	1.6	2
466	Is serum zinc status related to gestational diabetes mellitus? A meta-analysis. <i>Maternal and Child Nutrition</i> , 2021, 17, e13239.	1.4	6
467	A porphyrin platform for ratiometric fluorescence monitoring of Zn <sup>2+</sup> ion. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129997.	4.0	22
468	Effect of partial replacement of inorganic zinc and manganese with zinc methionine and manganese methionine on live performance and breast myopathies of broilers. <i>Journal of Applied Poultry Research</i> , 2021, 30, 100204.	0.6	1
469	Effects of zinc sulfate and coated zinc sulfate on lactation performance, nutrient digestion and rumen fermentation in Holstein dairy cows. <i>Livestock Science</i> , 2021, 251, 104673.	0.6	6
470	Zinc Signaling in the Mammary Gland: For Better and for Worse. <i>Biomedicines</i> , 2021, 9, 1204.	1.4	4
471	The role of cell surface proteins gene expression in diagnosis, prognosis, and drug resistance of colorectal cancer: In silico analysis and validation. <i>Experimental and Molecular Pathology</i> , 2021, 123, 104688.	0.9	5
472	Effects of zinc dosage and particle size on gut morphology, tight junctions and TNF- $\alpha$ expression in broiler breeder hens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, , .	1.0	3
473	Evaluation of 28-day repeated oral dose toxicity of SUNACTIVE Zn <sup>2+</sup> P240 in rats. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 125, 105001.	1.3	0
474	Comparative investigation of coating and friction stir processing on Mg-Zn-Dy alloy for improving antibacterial, bioactive and corrosion behaviour. <i>Surface and Coatings Technology</i> , 2021, 425, 127708.	2.2	7
475	Evidence of stunting genes in Asian countries: A review. <i>Meta Gene</i> , 2021, 30, 100970.	0.3	1

#	ARTICLE	IF	CITATIONS
476	Nephrogenesis in malnutrition. , 2022, , 33-52.		0
477	ZNT-1 Expression Reduction Enhances Free Zinc Accumulation in Astrocytes After Ischemic Stroke. Acta Neurochirurgica Supplementum, 2016, 121, 257-261.	0.5	6
478	Zinc and Zinc-Dependent Proteins in Cancer and Chemotherapeutics. Molecular and Integrative Toxicology, 2017, , 69-94.	0.5	2
479	Zinc Signal in Growth Control and Bone Diseases. , 2014, , 249-267.		11
480	Zinc and Human Disease. Metal Ions in Life Sciences, 2013, 13, 389-414.	2.8	85
481	Functions of zinc in signaling, proliferation and differentiation of mammalian cells. , 2001, , 145-155.		5
482	Post-translational Mechanisms of Zinc Signalling in Cancer. , 2019, , 319-345.		1
483	Zinc in the Fetus and Neonate. , 2004, , 342-347.		4
484	Effect of nano-ZnO, compared to ZnO and Zn-methionine, on performance, nutrient status, rumen fermentation, blood enzymes, ferric reducing antioxidant power and immunoglobulin G in sheep. Animal Feed Science and Technology, 2020, 267, 114532.	1.1	7
487	HEMOLYMPH ANALYSIS AND EVALUATION OF NEWLY FORMULATED MEDIA FOR CULTURE OF SHRIMP CELLS (PENAEUS STYLIROSTRIS). In Vitro Cellular and Developmental Biology - Animal, 2001, 37, 322.	0.7	7
488	The Zinc Transporter SLC39A14/ZIP14 Controls G-Protein Coupled Receptor-Mediated Signaling Required for Systemic Growth. PLoS ONE, 2011, 6, e18059.	1.1	147
489	Zinc Chelation Reduces Hippocampal Neurogenesis after Pilocarpine-Induced Seizure. PLoS ONE, 2012, 7, e48543.	1.1	33
490	Effects of Prenatal Multiple Micronutrient Supplementation on Fetal Growth Factors: A Cluster-Randomized, Controlled Trial in Rural Bangladesh. PLoS ONE, 2015, 10, e0137269.	1.1	11
491	Regulatory effects of zinc on cadmium-induced cytotoxicity in chronic inflammation. PLoS ONE, 2017, 12, e0180879.	1.1	12
492	Zinc and Its Transporters in Epigenetics. Molecules and Cells, 2020, 43, 323-330.	1.0	16
493	Depletion of Endogenous Zinc Stores Induces Oxidative Stress and Cell Death in Human Melanoma Cells. Acta Medica (Hradec Kralove), 2004, 47, 91-96.	0.2	7
494	Bacteriolyses of Bacterial Cell Walls by Cu(II) and Zn(II) Ions Based on Antibacterial Results of Dilution Medium Method and Halo Antibacterial Test. Journal of Advanced Research in Biotechnology, 2017, 2, 1-12.	0.4	14
495	Comparative Effect of Zinc Concentration and Sources on Growth Performance, Accumulation in Tissues, Tibia Status, Mineral Excretion and Immunity of Broiler Chickens. Brazilian Journal of Poultry Science, 2020, 22, .	0.3	3

#	ARTICLE	IF	CITATIONS
496	Defici�ncia de zinco em crian�as e adolescentes com doen�as hep�ticas cr�nicas. Revista Paulista De Pediatria, 2009, 27, 322-328.	0.4	9
497	Zinc Sulfate and Sugar Alcohol Zinc Sprays at Critical Stages to Improve Apple Fruit Quality. HortTechnology, 2013, 23, 490-497.	0.5	15
498	INFLUENCE OF SOME TRACE MINERALS IN FORM OF NANO PARTICLES AS FEED ADDITIVES ON LAMBS PERFORMANCE.. Journal of Animal and Poultry Production, 2015, 6, 693-703.	0.1	1
499	Effects of Different Zinc Sources on Performance, Bio Distribution of Minerals and Expression of Genes Related to Metabolism of Broiler Chickens. Zagazig Veterinary Journal, 2017, 45, 292-304.	0.1	41
500	Prostate Cancer, miRNAs, Metallothioneins and Resistance to Cytostatic Drugs. Current Medicinal Chemistry, 2013, 20, 534-544.	1.2	20
501	Effects of zinc supplementation on 1- to 5-year old children. Jornal De Pediatria, 2006, 82, 227-231.	0.9	28
502	Productivity of growing rabbits for use of forage with different zinc content. Ukrainian Journal of Veterinary and Agricultural Sciences, 2018, 1, 3-6.	0.1	1
503	DIAGNOSTIC VALUES OF COPPER, ZINC AND COPPER/ZINC RATIO COMPARED TO HISTOPATHO-LOGICAL EXAMINATION IN PATIENTS WITH BREAST TUMORS. Basrah Journal of Surgery, 2010, 16, 107-110.	0.0	2
504	The role of zinc deficiency in endothelial dysfunction. European Journal of Cell Science, 0, , 22-25.	0.2	2
505	The Influence of Zinc Sulfate Supplementation on the Growth of School Age Children in Villages Around Shiraz 2002, 2003. Journal of Medical Sciences (Faisalabad, Pakistan), 2007, 7, 690-693.	0.0	7
506	Catalase in testes and epididymidis of wistar rats fed zinc deficient diet. Indian Journal of Pharmaceutical Sciences, 2009, 71, 55.	1.0	10
507	The effect of multi mineral-vitamin D supplementation on pregnancy outcomes in pregnant women at risk for Pre-eclampsia. International Journal of Preventive Medicine, 2015, 6, 62.	0.2	14
508	Role of zinc for calcification inhibitor protein in vascular smooth muscle cell plaque formation. Journal of Nutrition and Health, 2016, 49, 59.	0.2	3
509	UNDERNUTRITION AS AN UNDERLYING CAUSE OF MALARIA MORBIDITY AND MORTALITY IN CHILDREN LESS THAN FIVE YEARS OLD. American Journal of Tropical Medicine and Hygiene, 2004, 71, 55-63.	0.6	202
510	Cardiometabolic Health: Key in Reducing Adverse COVID-19 Outcomes. Global Heart, 2020, 15, 58.	0.9	10
511	Zinc supplementation of lactating dairy cows: effects on chemical-nutritional quality and volatile profile of Caciocavallo cheese. Asian-Australasian Journal of Animal Sciences, 2020, 33, 825-835.	2.4	6
512	The Digestibility of Organic Trace Minerals along the Small Intestine in Broiler Chickens. Asian-Australasian Journal of Animal Sciences, 2010, 23, 90-97.	2.4	13
513	Evaluation of Dietary Zinc, Copper, Manganese and Selenium Intake in Female University Students. Korean Journal of Community Nutrition, 2012, 17, 146.	0.1	6

#	ARTICLE	IF	CITATIONS
514	Oxidative Stress by Tartrazine in the Testis of Wistar Rats. IOSR Journal of Pharmacy and Biological Sciences, 2012, 2, 44-47.	0.1	13
515	Effect of Oral Care in a Patient with Depression and Burning Mouth Syndrome during the COVID-19 Pandemic. Case Reports in Dentistry, 2021, 2021, 1-7.	0.2	0
516	Prevalence of Zinc Deficiency in Healthy 1â€³3-Year-Old Children from Three Western European Countries. Nutrients, 2021, 13, 3713.	1.7	7
517	In vitro activity of N-phenyl-1,10-phenanthroline-2-amines against tachyzoites and bradyzoites of Toxoplasma gondii. Bioorganic and Medicinal Chemistry, 2021, 50, 116467.	1.4	5
518	P1167* SERUM ZINC CONCENTRATION OF CHILDREN WITH FAILURE TO THRIVE AND WELL THRIVE.. Journal of Pediatric Gastroenterology and Nutrition, 2004, 39, S500-S501.	0.9	0
519	ZINC   Physiology. , 2005, , 447-454.		0
520	Low plasma zinc concentrations in pediatric patients with cirrhosis. Jornal De Pediatria, 2009, 85, 359-364.	0.9	2
521	The regulation of LIVâ€¹ mRNA in MDAâ€²31 human breast cancer cells and its association with Eâ€²cadherin. FASEB Journal, 2010, 24, 928.5.	0.2	1
522	Zinc in the Fetus and Neonate. , 2011, , 403-408.		0
523	Dietary Zinc and the Brain. , 2011, , 2357-2373.		1
524	Content of Zn, Cu, Fe and Mn in processed fruit and mixed fruit and vegetable foodstuffs for infants. Journal of Elementology, 2011, , .	0.0	0
526	Zinc Signaling and Cancer. , 2014, , 285-313.		2
527	GAMBARAN KADAR SERUM SENG (ZN) DENGAN Z-SCORE TB/U PADA ANAK USIA 9-12 TAHUN (STUDI) Tj ETQq0 0 0 rgBT /Overlock 10 T 557-561.	0.1	1
528	The Impact of Body Mass Index and Some Trace Elements in Iraqi Women with Breast Cancer. Journal of the Faculty of Medicine, Baghdad, 2015, 57, 312-315.	0.1	0
529	The Content of Insulin-Like Growth Factor 1 and Essential Trace Elements in the Blood Plasma of Children with Different Forms of Short Stature. MÃ¼narodnij EndokrinologÃ¼nij Å½urnal, 2016, .	0.1	0
530	EFFECT OF SUPPLEMENTAL ZINC AND COPPER ON PERFORMANCE OF GROWING RABBITS. Zagazig Journal of Agricultural Research, 2018, 45, 375-384.	0.1	0
531	The Role of Metal Ions in Protein and Fatty Acids Biosynthesis in Soybean under Micronutrients Application to Soil. Agricultural Sciences, 2018, 09, 741-749.	0.2	2
532	The influence of the synthetic food colorings tartrazine, allura red and indigo carmine on the body weight of Tenebrio molitor (Coleoptera, Tenebrionidae) larvae. Regulatory Mechanisms in Biosystems, 2019, 9, 479-484.	0.5	4

#	ARTICLE	IF	CITATIONS
533	Anti-inflammatory and Antioxidant Effects and Zinc Deficiency. , 2019, , 1951-1968.		0
534	Angewandte Biochemie III: Hormone und Botenstoffe. , 2019, , 73-101.		0
535	Zinc status of riverside populations of the rivers Solimoes and Negro in the state of Amazonas, Brazil. World Nutrition, 2019, 10, 67-84.	0.3	0
536	Interaction between ZnO Nanoparticles and Albumin and Its Effect on Cytotoxicity, Cellular Uptake, Intestinal Transport, Toxicokinetics, and Acute Oral Toxicity. Nanomaterials, 2021, 11, 2922.	1.9	11
537	HEAVY METALS IN POULTRY AND FISH FEED INGREDIENTS IN BANGLADESH: A POTENTIAL THREAT TO OUR NEXT GENERATION. , 2020, 5, .		0
538	Detection of serum zinc levels in neonates with bronchopulmonary dysplasia. Journal of Clinical Neonatology, 2020, 9, 77.	0.1	1
539	Effect of Dietary Nano Zinc Oxide Supplementation on Haematological Parameters, Serum Biochemical Parameters and Hepato-Renal Bio-Markers in Crossbred Calves. International Journal of Current Microbiology and Applied Sciences, 2020, 9, 2034-2044.	0.0	0
540	Zn(II) binding causes interdomain changes in the structure and flexibility of the human prion protein. Scientific Reports, 2021, 11, 21703.	1.6	8
541	Zinc is an essential element for the maintenance of redox homeostasis and cell cycle in murine auditory hair cells. Journal of Nutritional Biochemistry, 2022, 100, 108901.	1.9	4
542	Gene expression profiles analysis of the growing rat liver in response to different zinc status by cDNA microarray analysis. Biological Trace Element Research, 2007, 115, 169-185.	1.9	1
543	Effects of zinc on the mineralization of bone nodules from human osteoblast-like cells. Biological Trace Element Research, 2007, 116, 61-71.	1.9	2
547	In vivo assessment of zinc deficiency on craniofacial growth in a rat model. European Journal of Dentistry, 2009, 3, 10-5.	0.8	4
548	Serum zinc levels in children and adolescents with type-1 diabetes mellitus. Iranian Journal of Public Health, 2011, 40, 83-8.	0.3	5
549	Gene profile identifies zinc transporters differentially expressed in normal human organs and human pancreatic cancer. Current Molecular Medicine, 2013, 13, 401-9.	0.6	42
550	Effect of zinc-deficient diet on oral tissues and periodontal indices in rats. International Journal of Molecular and Cellular Medicine, 2014, 3, 81-7.	1.1	9
551	Nutritional and Metabolic Biomarkers in Autism Spectrum Disorders: An Exploratory Study. Integrative Medicine, 2015, 14, 40-53.	0.1	9
552	A bifunctional peptide-based fluorescent probe for ratiometric and $\alpha$ -turn-on $\beta$ -detection of Zn(II) ions and its application in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 268, 120653.	2.0	3
553	Effects of dietary zinc deficiency on esophageal squamous cell proliferation and the mechanisms involved. World Journal of Gastrointestinal Oncology, 2021, 13, 1755-1765.	0.8	5

#	ARTICLE	IF	CITATIONS
554	Parenteral Nutrition in Premature Infants. , 2022, , 87-101.		0
555	Impact of dietary zinc and seawater transfer on zinc status, availability, endogenous loss and osmoregulatory responses in Atlantic salmon smolt fed low fish meal feeds. <i>Aquaculture</i> , 2022, 549, 737804.	1.7	4
556	Role of zinc in human health with reference to African elderly: A review. <i>African Journal of Food, Agriculture, Nutrition and Development</i> , 2012, 12, 6646-6664.	0.1	6
557	Ð—Ð°ÑÑ, Ð¾¼ÑÑfÐ²Ð°Ð¹½Ð¹½Ñ•Ð¿Ñ€Ð¿Ð°ÑÑ,Ñf Ð Ð¿½Ð°Ñ—Ñ,Ñf Ð°Ð¾¼Ð¹¼Ð¿;Ð»ÐµÑÑÐ¹½Ð¾¼ÑfÐ»Ñ—Ð°ÑfÐ²Ð°Ð¹½		
558	Elemental Mapping of Human Malignant Mesothelioma Tissue Samples Using High-Speed LA-ICP-TOFMS Imaging. <i>Analytical Chemistry</i> , 2022, 94, 2597-2606.	3.2	5
559	Upregulation of Zip14 correlates with induction of endoplasmic reticulum stress (ERS) in hypertrophied hearts of Dahl salt-sensitive rats. <i>Biocell</i> , 2022, 46, 667-675.	0.4	0
560	Effects of Zinc Oxide Nanoparticles on the Performance of Broiler Chickens Under Hot Climatic Conditions. <i>Biological Trace Element Research</i> , 2022, 200, 5218-5225.	1.9	7
561	Altered Elemental Distribution in Male Rat Brain Tissue as a Predictor of Glioblastoma Multiforme Growthâ€”Studies Using SR-XRF Microscopy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 703.	1.8	5
562	Effects of nutrition and gestational alcohol consumption on fetal growth and development. <i>Nutrition Reviews</i> , 2022, 80, 1568-1579.	2.6	13
563	Influence of the Zinc and Fibre Addition in the Diet on Biomechanical Bone Properties in Weaned Piglets. <i>Animals</i> , 2022, 12, 181.	1.0	3
564	Synthesis, characterization and crystal structure of a glycyglycinate chelate of zinc(II). <i>Results in Chemistry</i> , 2022, 4, 100274.	0.9	0
565	Dietary exposure of zinc oxide nanoparticles (ZnO-NPs) from canned seafood by single particle ICP-MS: Balancing of risks and benefits for human health. <i>Ecotoxicology and Environmental Safety</i> , 2022, 231, 113217.	2.9	17
566	Association between zinc and body composition: An integrative review. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 71, 126940.	1.5	18
567	A new hemostatic agent composed of Zn <sup>2+</sup> -enriched Ca <sup>2+</sup> alginate activates vascular endothelial cells in vitro and promotes tissue repair in vivo. <i>Bioactive Materials</i> , 2022, 18, 368-382.	8.6	10
568	Zinc Intakes and Health Outcomes: An Umbrella Review. <i>Frontiers in Nutrition</i> , 2022, 9, 798078.	1.6	26
571	Role of Zinc and Zinc Ionophores in Brain Health and Depression Especially during the COVID-19 Pandemic. , 0, , .		0
572	The Cardiac Ryanodine Receptor Provides a Suitable Pathway for the Rapid Transport of Zinc (Zn <sup>2+</sup> ). <i>Cells</i> , 2022, 11, 868.	1.8	5
573	The Role of Zinc in Axon Formation via the mTORC1 Pathway. <i>Molecular Neurobiology</i> , 2022, 59, 3206-3217.	1.9	2



#	ARTICLE	IF	CITATIONS
574	Silver, Copper, Magnesium and Zinc Contained Electroactive Mesoporous Bioactive S53P4 Glass-Ceramics Nanoparticle for Bone Regeneration: Bioactivity, Biocompatibility and Antibacterial Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2309-2321.	1.9	3
575	Effects of In Ovo Injection of Zinc or Diet Supplementation of Zinc on Performance, Serum Biochemical Profiles, and Meat Quality in Broilers. <i>Animals</i> , 2022, 12, 630.	1.0	7
576	Role of Zinc in Diabetic Kidney Disease. <i>Nutrients</i> , 2022, 14, 1353.	1.7	12
578	Bioacumulaci3n de metales pesados en Concholepas concholepas, Fissurella latimarginata y Thais chocolata en dos bancos naturales de Ite, Per3. <i>Ciencia &amp; Desarrollo</i> , 2021, 20, 3-16.	0.2	2
579	Synthesis and characterization of a tetradentate bispidine-based ligand and its zinc(II) complex. <i>Inorganica Chimica Acta</i> , 2022, 538, 120968.	1.2	5
583	Evaluating the micronutrient status of women of child-bearing age living in the rural disaster areas one year after Wenchuan Earthquake. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2014, 23, 671-7.	0.3	7
584	The Activities of Zinc and Magnesium Among Alcohol Dependence Syndrome Patients: A Case-Control Study From a Tertiary Care Teaching Hospital in South India. <i>Cureus</i> , 2022, , .	0.2	0
585	Magallanes Sheep Farming. , 0, , .		3
586	The Effects of Nutrition on Linear Growth. <i>Nutrients</i> , 2022, 14, 1752.	1.7	13
588	The Role of Zinc in the Pathogenesis of Lung Disease. <i>Nutrients</i> , 2022, 14, 2115.	1.7	10
589	Importance of Zinc Nanoparticles for the Intestinal Microbiome of Weaned Piglets. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	4
590	New Triazacycloalkane Derivatives as Cytotoxic Agents for CLL Treatment: From Proof of Concept to the Targeting Biomolecule. <i>Bioconjugate Chemistry</i> , 0, , .	1.8	0
591	Nutritional and Food Composition Survey of Major Pulses Toward Healthy, Sustainable, and Biofortified Diets. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	17
592	Effect of Monovalent Copper Oxide and Potentiated Zinc Oxide on Growth Performance and Gut Morphology of Broiler Chickens Challenged with Coccidiosis. <i>Biological Trace Element Research</i> , 2023, 201, 2524-2535.	1.9	3
594	The changes and potential effects of zinc homeostasis in periodontitis microenvironment. <i>Oral Diseases</i> , 2023, 29, 3063-3077.	1.5	3
595	Chicken skin-derived collagen peptides chelated zinc promotes zinc absorption and represses tumor growth and invasion in vivo by suppressing autophagy. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3
596	Effects of Chromium-L-Methionine in Combination with a Zinc Amino Acid Complex or Selenomethionine on Growth Performance, Intestinal Morphology, and Antioxidative Enzymes in Red Tilapia <i>Oreochromis spp.</i> . <i>Animals</i> , 2022, 12, 2182.	1.0	2
597	Strategies to improve bioactive and antibacterial properties of polyetheretherketone (PEEK) for use as orthopedic implants. <i>Materials Today Bio</i> , 2022, 16, 100402.	2.6	36

#	ARTICLE	IF	CITATIONS
598	The "metal transcription factor" MTF-1: biological facts and medical implications. <i>Swiss Medical Weekly</i> , 0, .	0.8	14
599	Nutritional Deficiencies in Obsessive-Compulsive Disorder and Possible Treatment Interventions. , 2022, , 171-200.		0
600	Structural characterization and bioimaging of Zn <sup>2+</sup> using <i>meta</i> -benzoporhodomethene analogue. <i>Luminescence</i> , 2023, 38, 1268-1274.	1.5	0
601	The effects of chelated micro-elements feeding in broiler breeder hens and their progeny: A review. <i>Tropical Animal Health and Production</i> , 2022, 54, .	0.5	3
602	Interactions between ZnO Nanoparticles and Polyphenols Affect Biological Responses. <i>Nanomaterials</i> , 2022, 12, 3337.	1.9	5
603	Biofortification for Crop Quality Enhancement. , 2022, , 55-71.		0
604	Effects of two concentrations of dietary tribasic zinc sulfate on growth performance, gut morphology, and zinc transporter expression levels in pigs. <i>Animal Biotechnology</i> , 2023, 34, 2910-2916.	0.7	0
605	Soil zinc deficiency and child stunting: Evidence from Nepal. <i>Journal of Health Economics</i> , 2022, , 102691.	1.3	5
606	Zinc trafficking to apo-Zn-proteins 2. Cellular interplay of proteome, metallothionein, and glutathione. <i>Metallomics</i> , 2022, 14, .	1.0	2
607	Elucidation of possible mechanisms of the antidiabetic potential of Zn-loaded <i>Bryophyllum pinnatum</i> (Lam.) extracts in experimental animal models. <i>Future Journal of Pharmaceutical Sciences</i> , 2022, 8, .	1.1	0
608	Thiol, volatile and semi-volatile compounds alleviate the stress of zinc oxide nanoparticles of the pomegranate callus. <i>Chemosphere</i> , 2023, 312, 137151.	4.2	1
609	The antioxidant, antibacterial, and infected wound healing effects of ZnO quantum dots-chitosan biocomposite. <i>Applied Surface Science</i> , 2023, 611, 155727.	3.1	17
610	Implication of apoptosis and oxidative stress in mitigation of ivermectin long-term hazards by zinc nanoparticles in male rabbits. <i>Environmental Science and Pollution Research</i> , 2023, 30, 26982-26997.	2.7	1
611	Zinc deficiency associated with cutaneous toxicities induced by epidermal growth factor receptor tyrosine kinase inhibitor therapy in patients with lung adenocarcinoma. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2023, 37, 328-339.	1.3	7
612	Nano Zinc Oxide Improves Performance, IGF-I mRNA Expression, Meat Quality, and Humeral Immune Response and Alleviates Oxidative Stress and NF- $\kappa$ B Immunohistochemistry of Broiler Chickens. <i>Biological Trace Element Research</i> , 2023, 201, 4062-4078.	1.9	2
613	Zinc and Zinc Transporters in Dermatology. <i>International Journal of Molecular Sciences</i> , 2022, 23, 16165.	1.8	5
614	Functional characterization of SLC39 family members ZIP5 and ZIP10 in overexpressing HEK293 cells reveals selective copper transport activity. <i>BioMetals</i> , 2023, 36, 227-237.	1.8	1
615	Association between zinc deficiency and aorta stiffness in non-diabetic hemodialysis patients. <i>PLoS ONE</i> , 2023, 18, e0268875.	1.1	1

#	ARTICLE	IF	CITATIONS
616	Differential expression of genes influencing mitotic processes in cord blood mononuclear cells after a pre-conceptional micronutrient-based randomised controlled trial: Pune Rural Intervention in Young Adolescents (PRIYA). <i>Journal of Developmental Origins of Health and Disease</i> , 2023, 14, 437-448.	0.7	1
617	Zinc Water Prevents Autism-Like Behaviors in the BTBR Mice. <i>Biological Trace Element Research</i> , 2023, 201, 4779-4792.	1.9	1
618	Identification of novel nutrient-sensitive gene regulatory networks in amniocytes from fetuses with spina bifida. <i>Reproductive Toxicology</i> , 2023, 116, 108333.	1.3	2
619	Response the productive performance and economic cost of broiler chickens exposed to feed restriction regimes with feed additives. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
620	Zinc supplementation for preventing mortality, morbidity, and growth failure in children aged 6 months to 12 years. <i>The Cochrane Library</i> , 2023, 2023, .	1.5	3
621	Elemental profiles in distant tissues during tumor progression. <i>BMC Cancer</i> , 2023, 23, .	1.1	1
622	Pathophysiological Roles of Transient Receptor Potential (Trp) Channels and Zinc Toxicity in Brain Disease. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6665.	1.8	1
623	Enhancement of antibacterial and cytocompatibility of Ti by Zn-doped BST coatings. <i>Materials Letters</i> , 2023, 338, 134018.	1.3	2
624	How fish cells responded to zinc challenges: Insights from bioimaging. <i>Science of the Total Environment</i> , 2023, 875, 162538.	3.9	3
625	Neurodevelopmental Consequences of Dietary Zinc Deficiency: A Status Report. <i>Biological Trace Element Research</i> , 2023, 201, 5616-5639.	1.9	5
626	The Protective Role of Glutathione on Zinc-Induced Neuron Death after Brain Injuries. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2950.	1.8	6
627	Clinical Significance of Trace Element Zinc in Patients with Chronic Kidney Disease. <i>Journal of Clinical Medicine</i> , 2023, 12, 1667.	1.0	4
628	ZnO nanoparticles-modified polycaprolactone-gelatin membranes for guided/bone tissue regeneration, antibacterial and osteogenic differentiation properties. <i>Biomedical Physics and Engineering Express</i> , 2023, 9, 035011.	0.6	3
629	Increased Intracellular Free Zinc Has Pleiotropic Effects on Doxorubicin-Induced Cytotoxicity in hiPCS-CMs Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4518.	1.8	0
630	Zinc: From Biological Functions to Therapeutic Potential. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4822.	1.8	28
631	Zinc: Physiology, dietary sources, and requirements. , 2013, , 584-592.		0
632	Effects of Metal and Metal Ion on Biomethane Productivity during Anaerobic Digestion of Dairy Manure. <i>Fermentation</i> , 2023, 9, 262.	1.4	2
633	Vesicular Zinc Modulates Cell Proliferation and Survival in the Developing Hippocampus. <i>Cells</i> , 2023, 12, 880.	1.8	1

#	ARTICLE	IF	CITATIONS
634	The Effect of Slow-Release Bolus of Zinc and Selenium or Daily Feeding of Salts of These Elements on the Performance of Pregnant Ewes and Their Lambs. <i>Research on Animal Production</i> , 2021, 12, 77-89.	0.2	1
635	Study on the Zinc Nutritional Status and Risk Factors of Chinese 6-18-Year-Old Children. <i>Nutrients</i> , 2023, 15, 1685.	1.7	1
636	Effect of zinc hydroxychloride supplementation combined with an anticoccidial drug on <i>Eimeria tenella</i> infection in broiler chickens. <i>Veterinary World</i> , 2023, , 675-680.	0.7	0
637	Maternal dietary zinc status alters offspring female mammary gland development and response to acute 7,12-dimethylbenzanthracene insult. <i>Biotechnic and Histochemistry</i> , 2023, 98, 360-371.	0.7	0
638	Dietary zinc-chitosan nanoparticles addition influences on growth performance, apparent total tract digestibility, carcass indices, and immune function in weaned rabbits. <i>Animal Biotechnology</i> , 2023, 34, 4819-4827.	0.7	2
644	Nutritional supplements. , 2024, , 45-60.		0
654	Water-soluble vitamins and trace elements in children with chronic kidney disease stage 5d. <i>Pediatric Nephrology</i> , 0, , .	0.9	0
658	A Short Review on the Development of Rare Earths Containing Magnesium Alloys for Biomedical Applications. <i>Lecture Notes in Mechanical Engineering</i> , 2024, , 137-146.	0.3	0