Lothar Rink

List of Publications by Year
in descending order

217 papers	14,622 citations	17440 63 h-index	22166 113 g-index
229 all docs	229 docs citations	229 times ranked	14252 citing authors

#	Article	IF	Citations
1	The Essential Toxin: Impact of Zinc on Human Health. International Journal of Environmental Research and Public Health, 2010, 7, 1342-1365.	2.6	1,047
2	Zinc in Infection and Inflammation. Nutrients, 2017, 9, 624.	4.1	487
3	Zinc-Altered Immune function. Journal of Nutrition, 2003, 133, 1452S-1456S.	2.9	470
4	Zinc and the immune system. Proceedings of the Nutrition Society, 2000, 59, 541-552.	1.0	456
5	Zinc as a Gatekeeper of Immune Function. Nutrients, 2017, 9, 1286.	4.1	423
6	Zinc and diabetes â€" clinical links and molecular mechanisms. Journal of Nutritional Biochemistry, 2009, 20, 399-417.	4.2	360
7	Altered cytokine production in the elderly. Mechanisms of Ageing and Development, 1998, 102, 199-209.	4.6	349
8	Zinc and respiratory tract infections: Perspectives for COVIDâ€'19 (Review). International Journal of Molecular Medicine, 2020, 46, 17-26.	4.0	312
9	Functional Significance of Zinc-Related Signaling Pathways in Immune Cells. Annual Review of Nutrition, 2009, 29, 133-152.	10.1	274
10	Zinc homeostasis and immunity. Trends in Immunology, 2007, 28, 1-4.	6.8	249
11	Zinc Signals Are Essential for Lipopolysaccharide-Induced Signal Transduction in Monocytes. Journal of Immunology, 2008, 181, 6491-6502.	0.8	247
12	The Potential Impact of Zinc Supplementation on COVID-19 Pathogenesis. Frontiers in Immunology, 2020, 11, 1712.	4.8	247
13	Cytokine Production and Serum Proteins in Depression. Scandinavian Journal of Immunology, 1995, 41, 534-538.	2.7	236
14	The immune system and the impact of zinc during aging. Immunity and Ageing, 2009, 6, 9.	4.2	233
15	Zinc signals and immune function. BioFactors, 2014, 40, 27-40.	5.4	218
16	The immunobiology of zinc. Trends in Immunology, 1997, 18, 519-521.	7.5	210
17	Zinc-Altered Immune Function and Cytokine Production. Journal of Nutrition, 2000, 130, 1407S-1411S.	2.9	192
18	Zinc Signals and Immunity. International Journal of Molecular Sciences, 2017, 18, 2222.	4.1	192

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19	The Th17/Treg balance is disturbed during aging. Experimental Gerontology, 2013, 48, 1379-1386.	2.8	181
20	Dysregulation between TH1 and TH2 T cell subpopulations in the elderly. Mechanisms of Ageing and Development, 1996, 87, 197-209.	4.6	170
21	Inflammation and Nutritional Science for Programs/Policies and Interpretation of Research Evidence (INSPIRE). Journal of Nutrition, 2015, 145, 1039S-1108S.	2.9	170
22	Multiple impacts of zinc on immune function. Metallomics, 2014, 6, 1175.	2.4	168
23	Modulating the immune response by oral zinc supplementation: a single approach for multiple diseases. Archivum Immunologiae Et Therapiae Experimentalis, 2008, 56, 15-30.	2.3	164
24	IMPAIRED SERUM CORTISOL STRESS RESPONSE IS A PREDICTOR OF EARLY RELAPSE. Alcohol and Alcoholism, 2003, 38, 189-193.	1.6	157
25	Zinc supplementation for the treatment or prevention of disease: Current status and future perspectives. Experimental Gerontology, 2008, 43, 394-408.	2.8	155
26	Flow cytometric measurement of labile zinc in peripheral blood mononuclear cells. Analytical Biochemistry, 2006, 352, 222-230.	2.4	150
27	Zinc signals promote ILâ€2â€dependent proliferation of T cells. European Journal of Immunology, 2010, 40, 1496-1503.	2.9	141
28	Zinc-Mediated Inhibition of Cyclic Nucleotide Phosphodiesterase Activity and Expression Suppresses TNF-Î± and IL-1Î² Production in Monocytes by Elevation of Guanosine 3â€²,5â€²-Cyclic Monophosphate. Journal of Immunology, 2005, 175, 4697-4705.	0.8	140
29	Recent Progress in the Tumor Necrosis Factor-Î± Field. International Archives of Allergy and Immunology, 1996, 111, 199-209.	2.1	139
30	Correlation between zinc status and immune function in the elderly. Biogerontology, 2006, 7, 421-428.	3.9	137
31	Zinc-Dependent Suppression of TNF-Î± Production Is Mediated by Protein Kinase A-Induced Inhibition of Raf-1, IÎºB Kinase Î², and NF-ÎºB. Journal of Immunology, 2007, 179, 4180-4186.	0.8	134
32	Signal transduction in monocytes: the role of zinc ions. BioMetals, 2007, 20, 579-585.	4.1	127
33	Zinc as a micronutrient and its preventive role of oxidative damage in cells. Food and Function, 2015, 6, 3195-3204.	4.6	118
34	Zinc deficiency induces production of the proinflammatory cytokines IL-1Î² and TNFÎ± in promyeloid cells via epigenetic and redox-dependent mechanisms. Journal of Nutritional Biochemistry, 2013, 24, 289-297.	4.2	114
35	Major depressive disorder is associated with elevated monocyte counts. Acta Psychiatrica Scandinavica, 1996, 94, 198-204.	4.5	113
36	The significance of zinc for leukocyte biology. Journal of Leukocyte Biology, 1998, 64, 571-577.	3.3	110

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37	Differential Regulation of TLR-Dependent MyD88 and TRIF Signaling Pathways by Free Zinc Ions. Journal of Immunology, 2013, 191, 1808-1817.	0.8	109
38	The influence of naturally occurring heterophilic anti-immunoglobulin antibodies on direct measurement of serum proteins using sandwich ELISAs. Journal of Immunological Methods, 2000, 235, 71-80.	1.4	108
39	Zinc Supplementation in the Elderly Reduces Spontaneous Inflammatory Cytokine Release and Restores T Cell Functions. Rejuvenation Research, 2008, 11, 227-237.	1.8	108
40	Zinc inhibits interleukin-1-dependent T cell stimulation. European Journal of Immunology, 1997, 27, 2529-2535.	2.9	107
41	Regulatory T cells increased while IL-1Î² decreased during antidepressant therapy. Journal of Psychiatric Research, 2010, 44, 1052-1057.	3.1	107
42	Disturbed zinc homeostasis in diabetic patients by in vitro and in vivo analysis of insulinomimetic activity of zinc. Journal of Nutritional Biochemistry, 2012, 23, 1458-1466.	4.2	105
43	Zinc Supplementation Reconstitutes the Production of Interferon-Î± by Leukocytes from Elderly Persons. Journal of Interferon and Cytokine Research, 1997, 17, 469-472.	1.2	104
44	Intracellular zinc homeostasis in leukocyte subsets is regulated by different expression of zinc exporters ZnT-1 to ZnT-9. Journal of Leukocyte Biology, 2008, 83, 368-380.	3.3	101
45	Increased CD56+Natural Killer Cells and Related Cytokines in Major Depression. Clinical Immunology and Immunopathology, 1996, 78, 83-85.	2.0	100
46	Cytokine production of neutrophils is limited to interleukinâ€8. Immunology, 1996, 89, 563-568.	4.4	98
47	Zinc supplementation improves glycemic control for diabetes prevention and management: a systematic review and meta-analysis of randomized controlled trials. American Journal of Clinical Nutrition, 2019, 110, 76-90.	4.7	96
48	Overproduction of monokines by leukocytes after stimulation with lipopolysaccharide in the elderly. Experimental Gerontology, 2002, 37, 235-247.	2.8	93
49	Zinc signals in neutrophil granulocytes are required for the formation of neutrophil extracellular traps. Innate Immunity, 2013, 19, 253-264.	2.4	89
50	Zinc supplementation induces regulatory T cells by inhibition of Sirtâ€1 deacetylase in mixed lymphocyte cultures. Molecular Nutrition and Food Research, 2016, 60, 661-671.	3.3	89
51	Extracellular and immunological actions of zinc. BioMetals, 2001, 14, 367-383.	4.1	88
52	Zinc status, psychological and nutritional assessment in old people recruited in five European countries: Zincage study. Biogerontology, 2006, 7, 339-345.	3.9	88
53	Neutrophil immunity of the elderly. Mechanisms of Ageing and Development, 2003, 124, 419-425.	4.6	87
54	T-Lymphocytes: A Target for Stimulatory and Inhibitory Effects of Zinc Ions. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2009, 9, 132-144.	1.2	87

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55	Effects of zinc supplementation on antioxidant enzyme activities in healthy old subjects. Experimental Gerontology, 2008, 43, 445-451.	2.8	77
56	TH1 and TH2 cell polarization increases with aging and is modulated by zinc supplementation. Experimental Gerontology, 2008, 43, 493-498.	2.8	74
57	The biochemical effects of extracellular Zn²⁺and other metal ions are severely affected by their speciation in cell culture media. Metallomics, 2015, 7, 102-111.	2.4	74
58	Differential impact of zinc deficiency on phagocytosis, oxidative burst, and production of pro-inflammatory cytokines by human monocytes. Metallomics, 2014, 6, 1288.	2.4	73
59	Effect of zinc supplementation on plasma IL-6 and MCP-1 production and NK cell function in healthy elderly: Interactive influence of +647 MT1a and âˆ'174 IL-6 polymorphic alleles. Experimental Gerontology, 2008, 43, 462-471.	2.8	71
60	Susceptibility to tuberculosis is associated with TLR1 polymorphisms resulting in a lack of TLR1 cell surface expression. Journal of Leukocyte Biology, 2011, 90, 377-388.	3.3	71
61	Induction of regulatory T cells in Th1-/Th17-driven experimental autoimmune encephalomyelitis by zinc administration. Journal of Nutritional Biochemistry, 2016, 29, 116-123.	4.2	69
62	Micronutrients in autoimmune diseases: possible therapeutic benefits of zinc and vitamin D. Journal of Nutritional Biochemistry, 2020, 77, 108240.	4.2	69
63	Immunosenescence of Polymorphonuclear Neutrophils. Scientific World Journal, The, 2010, 10, 145-160.	2.1	67
64	Cellular zinc homeostasis is a regulator in monocyte differentiation of HL-60 cells by 1Î±,25-dihydroxyvitamin D3. Journal of Leukocyte Biology, 2010, 87, 833-844.	3.3	66
65	Chelation of Free Zn2+ Impairs Chemotaxis, Phagocytosis, Oxidative Burst, Degranulation, and Cytokine Production by Neutrophil Granulocytes. Biological Trace Element Research, 2016, 171, 79-88.	3.5	66
66	Zinc deficiency and IL-6 âˆ'174G/C polymorphism in old people from different European countries: Effect of zinc supplementation. ZINCAGE study. Experimental Gerontology, 2008, 43, 433-444.	2.8	63
67	Polymorphonuclear leucocytes selectively produce antiâ€•inflammatory interleukinâ€•1 receptor antagonist and chemokines, but fail to produce proâ€•inflammatory mediators. Immunology, 2006, 119, 317-327.	4.4	62
68	Dietary and Physiological Effects of Zinc on the Immune System. Annual Review of Nutrition, 2021, 41, 133-175.	10.1	62
69	The human allicin-proteome: S-thioallylation of proteins by the garlic defence substance allicin and its biological effects. Free Radical Biology and Medicine, 2019, 131, 144-153.	2.9	61
70	Zinc homeostasis and immunosenescence. Journal of Trace Elements in Medicine and Biology, 2015, 29, 24-30.	3.0	60
71	PTEN-inhibition by zinc ions augments interleukin-2-mediated Akt phosphorylation. Metallomics, 2014, 6, 1277.	2.4	59
72	Stimulation of Human Peripheral Blood Mononuclear Cells by Zinc and Related Cations. Cytokine, 1996, 8, 767-771.	3.2	57

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73	Influence of zinc supplementation on immune parameters in weaned pigs. Journal of Trace Elements in Medicine and Biology, 2018, 49, 231-240.	3.0	56
74	Zinc enhances the number of regulatory T cells in allergen-stimulated cells from atopic subjects. European Journal of Nutrition, 2017, 56, 557-567.	3.9	55
75	Metal transporter Slc39a10 regulates susceptibility to inflammatory stimuli by controlling macrophage survival. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12940-12945.	7.1	55
76	Zinc in pharmacological doses suppresses allogeneic reaction without affecting the antigenic response. Bone Marrow Transplantation, 2004, 33, 1241-1246.	2.4	54
77	CYTOKINE INTERACTIONS IN HUMAN MIXED LYMPHOCYTE CULTURE. Transplantation, 1994, 57, 1638-1642.	1.0	53
78	Inter-individual differences in cytokine release in patients undergoing cardiac surgery with cardiopulmonary bypass. Clinical and Experimental Immunology, 2001, 125, 80-88.	2.6	51
79	Zinc supplementation induces CD4+CD25+Foxp3+ antigen-specific regulatory T cells and suppresses IFN-Î³ production by upregulation of Foxp3 and KLF-10 and downregulation of IRF-1. European Journal of Nutrition, 2017, 56, 1859-1869.	3.9	51
80	Cellular zinc homeostasis modulates polarization of THP-1-derived macrophages. European Journal of Nutrition, 2018, 57, 2161-2169.	3.9	50
81	Zinc Inhibits the Mixed Lymphocyte Culture. Biological Trace Element Research, 2001, 79, 15-22.	3.5	49
82	Regulation of the Interleukin-6 gene expression during monocytic differentiation of HL-60 cells by chromatin remodeling and methylation. Immunobiology, 2014, 219, 619-626.	1.9	48
83	Accelerated telomere shortening in peripheral blood lymphocytes after occupational polychlorinated biphenyls exposure. Archives of Toxicology, 2017, 91, 289-300.	4.2	48
84	Main biomarkers associated with age-related plasma zinc decrease and copper/zinc ratio in healthy elderly from ZincAge study. European Journal of Nutrition, 2017, 56, 2457-2466.	3.9	48
85	Zinc supplementation ameliorates lung injury by reducing neutrophil recruitment and activity. Thorax, 2020, 75, 253-261.	5.6	48
86	Crosslinking of CD66b on Peripheral Blood Neutrophils Mediates the Release of Interleukin-8 from Intracellular Storage. Human Immunology, 2006, 67, 676-682.	2.4	45
87	Repletion of zinc in zinc-deficient cells strongly up-regulates IL-1Î²-induced IL-2 production in T-cells. Metallomics, 2012, 4, 1088.	2.4	45
88	Analysis of antigen-presenting functionality of cultured rat hepatic stellate cells and transdifferentiated myofibroblasts. Biochemical and Biophysical Research Communications, 2010, 396, 342-347.	2.1	44
89	The impaired immune response to diphtheria vaccination in elderly chronic hemodialysis patients is related to zinc deficiency. Biogerontology, 2000, 1, 61-66.	3.9	43
90	Leucocyte response and anti-inflammatory cytokines in community acquired pneumonia. Thorax, 2001, 56, 121-125.	5.6	43

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91	Effect of improved zinc status on T helper cell activation and TH1/TH2 ratio in healthy elderly individuals. Biogerontology, 2006, 7, 429-435.	3.9	43
92	Differential Gene Expression after Zinc Supplementation and Deprivation in Human Leukocyte Subsets. Molecular Medicine, 2007, 13, 362-370.	4.4	43
93	Superantigen Genes Are More Important than the<i>emm</i>Type for the Invasiveness of Group A<i>Streptococcus</i>Infection. Journal of Infectious Diseases, 2010, 202, 20-28.	4.0	42
94	Parameters Influencing Zinc in Experimental Systems in Vivo and in Vitro. Metals, 2016, 6, 71.	2.3	40
95	Zinc, Metallothioneins, and Longevity:. Annals of the New York Academy of Sciences, 2007, 1119, 129-146.	3.8	39
96	In vitro and in vivo effects of zinc on cytokine signalling in human T cells. Experimental Gerontology, 2008, 43, 472-482.	2.8	39
97	Zinc differentially regulates mitogen-activated protein kinases in human T cells. Journal of Nutritional Biochemistry, 2012, 23, 18-26.	4.2	38
98	Induction of a Cytokine Network by Superantigens with Parallel TH1 and TH2 Stimulation. Journal of Interferon and Cytokine Research, 1996, 16, 41-47.	1.2	35
99	Mediterranean diet and plasma concentration of inflammatory markers in old and very old subjects in the ZINCAGE population study. Clinical Chemistry and Laboratory Medicine, 2008, 46, 990-6.	2.3	35
100	Changes in chromatin structure and methylation of the human interleukinâ€•1Î² gene during monopoiesis. Immunology, 2010, 130, 410-417.	4.4	35
101	T-helper type 1 cytokine release is enhanced by in vitro zinc supplementation due to increased natural killer cells. Nutrition, 2007, 23, 157-163.	2.4	34
102	Surveillance Program for Former PCB-Exposed Workers of a Transformer and Capacitor Recycling Company, Family Members, Employees of Surrounding Companies, and Area Residentsâ€"Executive Summary. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 1241-1247.	2.3	34
103	Zinc supplementation augments TGFâ€•Î²1â€•dependent regulatory T cell induction. Molecular Nutrition and Food Research, 2017, 61, 1600493.	3.3	34
104	A short 18 items food frequency questionnaire biochemically validated to estimate zinc status in humans. Journal of Trace Elements in Medicine and Biology, 2018, 49, 285-295.	3.0	34
105	Ethylmercury and Hg2+ induce the formation of neutrophil extracellular traps (NETs) by human neutrophil granulocytes. Archives of Toxicology, 2016, 90, 543-550.	4.2	33
106	Zinc supplementation plays a crucial role in T helper 9 differentiation in allogeneic immune reactions and non-activated T cells. Journal of Trace Elements in Medicine and Biology, 2018, 50, 482-488.	3.0	33
107	Zinc deficiency as a possible risk factor for increased susceptibility and severe progression of Corona Virus Disease 19. British Journal of Nutrition, 2022, 127, 214-232.	2.3	33
108	B cell activation and proliferation increase intracellular zinc levels. Journal of Nutritional Biochemistry, 2019, 64, 72-79.	4.2	32

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109	Evidence for presence of IgG4 anti-immunoglobulin autoantibodies in all human beings. Lancet, The, 2000, 355, 1617-1618.	13.7	30
110	Metallothionein Downregulation in Very Old Age: A Phenomenon Associated with Cellular Senescence?. Rejuvenation Research, 2008, 11, 455-459.	1.8	29
111	Cadmium ions induce monocytic production of tumor necrosis factor-alpha by inhibiting mitogen activated protein kinase dephosphorylation. Toxicology Letters, 2010, 198, 152-158.	0.8	29
112	Assessment of geneâ€“nutrient interactions on inflammatory status of the elderly with the use of a zinc diet score â€” ZINCAGE study. Journal of Nutritional Biochemistry, 2010, 21, 526-531.	4.2	28
113	Hypothermia enhances the biological activity of lipopolysaccharide by altering its fluidity state. FEBS Journal, 1998, 256, 325-333.	0.2	27
114	Beta-(1-->3)-D-glucan modulates DNA binding of nuclear factors kappaB, AT and IL-6 leading to an anti-inflammatory shift of the IL-1beta/IL-1 receptor antagonist ratio. BMC Immunology, 2006, 7, 5.	2.2	27
115	Zinc deficiency drives Th17 polarization and promotes loss of Treg cell function. Journal of Nutritional Biochemistry, 2019, 63, 11-18.	4.2	26
116	Interaction of Zinc Ions with Human Peripheral Blood Mononuclear Cells. Cellular Immunology, 1996, 171, 255-261.	3.0	25
117	A new closed-tube multiplex real-time PCR to detect eleven superantigens of Streptococcus pyogenes identifies a strain without superantigen activity. International Journal of Medical Microbiology, 2007, 297, 471-478.	3.6	25
118	IFN-Î³ Reduction by Tricyclic Antidepressants. International Journal of Psychiatry in Medicine, 2010, 40, 413-424.	1.8	25
119	Immunotoxicity Monitoring in a Population Exposed to Polychlorinated Biphenyls. International Journal of Environmental Research and Public Health, 2016, 13, 295.	2.6	25
120	Influence of zinc deficiency and supplementation on NK cell cytotoxicity. Journal of Functional Foods, 2018, 48, 322-328.	3.4	25
121	Induction of a Proinflammatory Cytokine Network by<i>Mycoplasma arthritidis</i>-Derived Superantigen (MAS). Journal of Interferon and Cytokine Research, 1996, 16, 861-868.	1.2	24
122	Extracellular and immunological actions of zinc. , 2001, , 181-197.		24
123	The consumption of cigarettes, coffee and sweets in detoxified alcoholics and its association with relapse and a family history of alcoholism. European Psychiatry, 2005, 20, 451-455.	0.2	23
124	MHC class II molecules activate NFAT and the ERK group of MAPK through distinct signaling pathways in B cells. European Journal of Immunology, 2009, 39, 1947-1955.	2.9	23
125	One-Way Synergistic Effect of Low Superantigen Concentrations on Lipopolysaccharide-Induced Cytokine Production. Journal of Interferon and Cytokine Research, 1997, 17, 229-238.	1.2	22
126	Zinc Homeostasis in Aging: Two Elusive Faces of the Same "Metal". Rejuvenation Research, 2006, 9, 351-354.	1.8	22

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127	Zinc ions cause the thimerosal-induced signal of fluorescent calcium probes in lymphocytes. Cell Calcium, 2009, 45, 185-191.	2.4	22
128	Induction of Interleukin-6 in Murine Bone Marrow-Derived Macrophages Stimulated by theMycoplasma ArthritidisMitogen Mas. Autoimmunity, 1990, 7, 317-327.	2.6	21
129	Impact of allicin on macrophage activity. Food Chemistry, 2012, 134, 141-148.	8.2	21
130	Leukocyte Counts Based on DNA Methylation at Individual Cytosines. Clinical Chemistry, 2018, 64, 566-575.	3.2	21
131	Influence of serum on zinc, toxic shock syndrome toxin-1, and lipopolysaccharide-induced production of IFN-Î³ and IL-1Î² by human mononuclear cells. Journal of Leukocyte Biology, 1995, 57, 904-908.	3.3	20
132	Differential synthesis of two interleukin-1 receptor antagonist variants and interleukin-8 by peripheral blood neutrophils. Cytokine, 2005, 32, 246-253.	3.2	20
133	Experimental peri-implant mucositis around titanium and zirconia implants in comparison to a natural tooth: part 2â€"clinical and microbiological parameters. International Journal of Oral and Maxillofacial Surgery, 2019, 48, 560-565.	1.5	20
134	Contrasting contributions of complementarity-determining region 2 and hypervariable region 4 of rat BV8S2+ (VÄ8.2) TCR to the recognition of myelin basic protein and different types of bacterial superantigens. International Immunology, 2004, 16, 655-663.	4.0	19
135	Impact of lead and mercuric ions on the interleukin-2-dependent proliferation and survival of T cells. Archives of Toxicology, 2013, 87, 249-258.	4.2	19
136	Effect of <scp>ZIP</scp>2 Gln/Arg/Leu (rs2234632) polymorphism on zinc homeostasis and inflammatory response following zinc supplementation. BioFactors, 2015, 41, 414-423.	5.4	19
137	In situ hybridization of the mRNA for interferon-Î³, interferon-Î±E, interferon-Î², interleukin-1Î² and interleukin-6 and characterization of infiltrating cells in thyroid tissues. Journal of Immunological Methods, 1992, 148, 233-242.	1.4	18
138	Use of molecular indicators of inflammation to assess the biocompatibility of allâ€ceramic restorations. Journal of Clinical Periodontology, 2016, 43, 173-179.	4.9	18
139	Influence of DNA-methylation on zinc homeostasis in myeloid cells: Regulation of zinc transporters and zinc binding proteins. Journal of Trace Elements in Medicine and Biology, 2016, 37, 125-133.	3.0	18
140	Zinc deficiency leads to reduced interleukin-2 production by active gene silencing due to enhanced CREMÎ± expression in T cells. Clinical Nutrition, 2021, 40, 3263-3278.	5.0	18
141	Mercuric ions inhibit mitogen-activated protein kinase dephosphorylation by inducing reactive oxygen species. Toxicology and Applied Pharmacology, 2011, 250, 78-86.	2.8	17
142	Interferon and Lymphokine Production by Human Placental and Cord Blood Cells. Journal of Interferon Research, 1992, 12, 113-117.	1.2	16
143	Zinc and ageing (ZINCAGE Project). Biogerontology, 2006, 7, 305-306.	3.9	16
144	Influence of +1245 A/G MT1A polymorphism on advanced glycation end-products (AGEs) in elderly: effect of zinc supplementation. Genes and Nutrition, 2014, 9, 426.	2.5	16

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145	Association among 1267 A/G HSP70-2, â^'308 G/A TNF-Î± polymorphisms and pro-inflammatory plasma mediators in old ZincAge population. Biogerontology, 2014, 15, 65-79.	3.9	15
146	Zinc chelation decreases IFN-Î²-induced STAT1 upregulation and iNOS expression in RAW 264.7 macrophages. Journal of Trace Elements in Medicine and Biology, 2017, 44, 76-82.	3.0	15
147	Zinc and the Immune System. , 2019, , 127-158.		15
148	Alterations in membrane fluidity are involved in inhibition of GM-CSF-induced signaling in myeloid cells by zinc. Journal of Trace Elements in Medicine and Biology, 2019, 54, 214-220.	3.0	14
149	Effects of long-term zinc supplementation and deprivation on gene expression in human THP-1 mononuclear cells. Journal of Trace Elements in Medicine and Biology, 2008, 22, 325-336.	3.0	13
150	Dendritic cell subsets in lymph nodes are characterized by the specific draining area and influence the phenotype and fate of primed T cells. Immunology, 2008, 123, 480-490.	4.4	13
151	Lead ions abrogate lipopolysaccharide-induced nitric monoxide toxicity by reducing the expression of STAT1 and iNOS. Journal of Trace Elements in Medicine and Biology, 2016, 37, 117-124.	3.0	13
152	Rebalancing the unbalanced aged immune system â€" A special focus on zinc. Ageing Research Reviews, 2022, 74, 101541.	10.9	13
153	Reply to Reinhold et al.. Trends in Immunology, 1999, 20, 102-103.	7.5	12
154	Human Neutrophils Produce Macrophage Inhibitory Protein-1Î² but Not Type I Interferons in Response to Viral Stimulation. Journal of Interferon and Cytokine Research, 2001, 21, 241-247.	1.2	12
155	Zinc and the immune system of elderly. Advances in Cell Aging and Gerontology, 2002, 13, 243-259.	0.1	12
156	Effects of human Toll-like receptor 1 polymorphisms on ageing. Immunity and Ageing, 2013, 10, 4.	4.2	12
157	Mycoplasma arthritidis-derived superantigen (MAM) displays DNase activity. FEMS Immunology and Medical Microbiology, 2007, 49, 266-271.	2.7	11
158	Application of Zinpyr-1 for the investigation of zinc signals in Escherichia coli. BioMetals, 2013, 26, 167-177.	4.1	11
159	Experimental peri-implant mucositis around titanium and zirconia implants in comparison to a natural tooth: part 1â€"host-derived immunological parameters. International Journal of Oral and Maxillofacial Surgery, 2019, 48, 554-559.	1.5	11
160	Toward Clinical Application of Leukocyte Counts Based on Targeted DNA Methylation Analysis. Clinical Chemistry, 2022, 68, 646-656.	3.2	11
161	Cytokine Production in Depressed Patients. Advances in Experimental Medicine and Biology, 1999, 461, 47-57.	1.6	10
162	Immunologie fÃ¼r Einsteiger. , 2015, , .		10

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163	The role of zinc in calprotectin expression in human myeloid cells. Journal of Trace Elements in Medicine and Biology, 2018, 49, 106-112.	3.0	10
164	Zinc deficiency impairs interferon-Î³ production on post-transcriptional level. Journal of Trace Elements in Medicine and Biology, 2020, 62, 126598.	3.0	10
165	Microbial Superantigens Stimulate T Cells by the Superantigen Bridge and Independently by a Cytokine Pathway. Journal of Interferon and Cytokine Research, 1997, 17, 489-499.	1.2	9
166	Zinc, Metallothioneins, Longevity: Effect of Zinc Supplementation on Antioxidant Response: A Zincage Study. Rejuvenation Research, 2008, 11, 419-423.	1.8	9
167	Interferon-Î³ (IFN-Î³) levels finally become stable with increasing age as revealed by using an ELISA corresponding to the bioactivity. Mechanisms of Ageing and Development, 2001, 121, 47-58.	4.6	8
168	Cadmium ions promote monocytic differentiation of human leukemia HL-60 cells treated with 1Î±,25-dihydroxyvitamin D3. Biological Chemistry, 2010, 391, 1295-303.	2.5	8
169	Activation of IL-1Î² and TNFÎ± genes is mediated by the establishment of permissive chromatin structures during monopoiesis. Immunobiology, 2013, 218, 860-868.	1.9	8
170	The Intracellular Free Zinc Level Is Vital for Treg Function and a Feasible Tool to Discriminate between Treg and Activated Th Cells. International Journal of Molecular Sciences, 2018, 19, 3575.	4.1	8
171	The Interaction of Sodium and Zinc in the Priming of T Cell Subpopulations Regarding Th17 and Treg Cells. Molecular Nutrition and Food Research, 2020, 64, e1900245.	3.3	8
172	Update on the multi-layered levels of zinc-mediated immune regulation. Seminars in Cell and Developmental Biology, 2021, 115, 62-69.	5.0	8
173	Intraâ€nasal zinc level relationship to <scp>COVID</scp>â€19 anosmia and type 1 interferon response: A proposal. Laryngoscope Investigative Otolaryngology, 2021, 6, 21-24.	1.5	8
174	The role of zinc in immunity and inflammation. , 2013, , 123-156.		7
175	Vitamin D3 and zinc synergistically induce regulatory T cells and suppress interferon-Î³ production in mixed lymphocyte culture. Journal of Nutritional Biochemistry, 2022, 102, 108942.	4.2	7
176	Effects of a short-term reduction in brain serotonin synthesis on the availability of the soluble leptin receptor in healthy women. Journal of Neural Transmission, 2015, 122, 343-348.	2.8	6
177	Intracellular zinc during cell activation and zinc deficiency. Journal of Trace Elements in Medicine and Biology, 2021, 68, 126864.	3.0	6
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