

# Lothar Rink

## List of Publications by Year in descending order

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Version: 2024-02-01

217  
papers

14,622  
citations

17405

63  
h-index

22102

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.	1.2	1,047
2	Zinc in Infection and Inflammation. Nutrients, 2017, 9, 624.	1.7	487
3	Zinc-Altered Immune function. Journal of Nutrition, 2003, 133, 1452S-1456S.	1.3	470
4	Zinc and the immune system. Proceedings of the Nutrition Society, 2000, 59, 541-552.	0.4	456
5	Zinc as a Gatekeeper of Immune Function. Nutrients, 2017, 9, 1286.	1.7	423
6	Zinc and diabetes " clinical links and molecular mechanisms. Journal of Nutritional Biochemistry, 2009, 20, 399-417.	1.9	360
7	Altered cytokine production in the elderly. Mechanisms of Ageing and Development, 1998, 102, 199-209.	2.2	349
8	Zinc and respiratory tract infections: Perspectives for COVID-19 (Review). International Journal of Molecular Medicine, 2020, 46, 17-26.	1.8	312
9	Functional Significance of Zinc-Related Signaling Pathways in Immune Cells. Annual Review of Nutrition, 2009, 29, 133-152.	4.3	274
10	Zinc homeostasis and immunity. Trends in Immunology, 2007, 28, 1-4.	2.9	249
11	Zinc Signals Are Essential for Lipopolysaccharide-Induced Signal Transduction in Monocytes. Journal of Immunology, 2008, 181, 6491-6502.	0.4	247
12	The Potential Impact of Zinc Supplementation on COVID-19 Pathogenesis. Frontiers in Immunology, 2020, 11, 1712.	2.2	247
13	Cytokine Production and Serum Proteins in Depression. Scandinavian Journal of Immunology, 1995, 41, 534-538.	1.3	236
14	The immune system and the impact of zinc during aging. Immunity and Ageing, 2009, 6, 9.	1.8	233
15	Zinc signals and immune function. BioFactors, 2014, 40, 27-40.	2.6	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.	1.3	192
18	Zinc Signals and Immunity. International Journal of Molecular Sciences, 2017, 18, 2222.	1.8	192

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19	The Th17/Treg balance is disturbed during aging. <i>Experimental Gerontology</i> , 2013, 48, 1379-1386.	1.2	181
20	Dysregulation between TH1 and TH2 T cell subpopulations in the elderly. <i>Mechanisms of Ageing and Development</i> , 1996, 87, 197-209.	2.2	170
21	Inflammation and Nutritional Science for Programs/Policies and Interpretation of Research Evidence (INSPIRE). <i>Journal of Nutrition</i> , 2015, 145, 1039S-1108S.	1.3	170
22	Multiple impacts of zinc on immune function. <i>Metallomics</i> , 2014, 6, 1175.	1.0	168
23	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
24	IMPAIRED SERUM CORTISOL STRESS RESPONSE IS A PREDICTOR OF EARLY RELAPSE. <i>Alcohol and Alcoholism</i> , 2003, 38, 189-193.	0.9	157
25	Zinc supplementation for the treatment or prevention of disease: Current status and future perspectives. <i>Experimental Gerontology</i> , 2008, 43, 394-408.	1.2	155
26	Flow cytometric measurement of labile zinc in peripheral blood mononuclear cells. <i>Analytical Biochemistry</i> , 2006, 352, 222-230.	1.1	150
27	Zinc signals promote IL-2-dependent proliferation of T cells. <i>European Journal of Immunology</i> , 2010, 40, 1496-1503.	1.6	141
28	Zinc-Mediated Inhibition of Cyclic Nucleotide Phosphodiesterase Activity and Expression Suppresses TNF- $\alpha$ and IL-1 $\beta$ Production in Monocytes by Elevation of Guanosine 3',5'-Cyclic Monophosphate. <i>Journal of Immunology</i> , 2005, 175, 4697-4705.	0.4	140
29	Recent Progress in the Tumor Necrosis Factor- $\alpha$ Field. <i>International Archives of Allergy and Immunology</i> , 1996, 111, 199-209.	0.9	139
30	Correlation between zinc status and immune function in the elderly. <i>Biogerontology</i> , 2006, 7, 421-428.	2.0	137
31	Zinc-Dependent Suppression of TNF- $\alpha$ Production Is Mediated by Protein Kinase A-Induced Inhibition of Raf-1, I $\kappa$ B Kinase $\beta$ , and NF- $\kappa$ B. <i>Journal of Immunology</i> , 2007, 179, 4180-4186.	0.4	134
32	Signal transduction in monocytes: the role of zinc ions. <i>BioMetals</i> , 2007, 20, 579-585.	1.8	127
33	Zinc as a micronutrient and its preventive role of oxidative damage in cells. <i>Food and Function</i> , 2015, 6, 3195-3204.	2.1	118
34	Zinc deficiency induces production of the proinflammatory cytokines IL-1 $\beta$ and TNF- $\alpha$ in promyeloid cells via epigenetic and redox-dependent mechanisms. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 289-297.	1.9	114
35	Major depressive disorder is associated with elevated monocyte counts. <i>Acta Psychiatrica Scandinavica</i> , 1996, 94, 198-204.	2.2	113
36	The significance of zinc for leukocyte biology. <i>Journal of Leukocyte Biology</i> , 1998, 64, 571-577.	1.5	110

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37	Differential Regulation of TLR-Dependent MyD88 and TRIF Signaling Pathways by Free Zinc Ions. <i>Journal of Immunology</i> , 2013, 191, 1808-1817.	0.4	109
38	The influence of naturally occurring heterophilic anti-immunoglobulin antibodies on direct measurement of serum proteins using sandwich ELISAs. <i>Journal of Immunological Methods</i> , 2000, 235, 71-80.	0.6	108
39	Zinc Supplementation in the Elderly Reduces Spontaneous Inflammatory Cytokine Release and Restores T Cell Functions. <i>Rejuvenation Research</i> , 2008, 11, 227-237.	0.9	108
40	Zinc inhibits interleukin-1-dependent T cell stimulation. <i>European Journal of Immunology</i> , 1997, 27, 2529-2535.	1.6	107
41	Regulatory T cells increased while IL-1 $\beta$ decreased during antidepressant therapy. <i>Journal of Psychiatric Research</i> , 2010, 44, 1052-1057.	1.5	107
42	Disturbed zinc homeostasis in diabetic patients by in vitro and in vivo analysis of insulinomimetic activity of zinc. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1458-1466.	1.9	105
43	Zinc Supplementation Reconstitutes the Production of Interferon- $\gamma$ by Leukocytes from Elderly Persons. <i>Journal of Interferon and Cytokine Research</i> , 1997, 17, 469-472.	0.5	104
44	Intracellular zinc homeostasis in leukocyte subsets is regulated by different expression of zinc exporters ZnT-1 to ZnT-9. <i>Journal of Leukocyte Biology</i> , 2008, 83, 368-380.	1.5	101
45	Increased CD56+ Natural Killer Cells and Related Cytokines in Major Depression. <i>Clinical Immunology and Immunopathology</i> , 1996, 78, 83-85.	2.1	100
46	Cytokine production of neutrophils is limited to interleukin-8. <i>Immunology</i> , 1996, 89, 563-568.	2.0	98
47	Zinc supplementation improves glycemic control for diabetes prevention and management: a systematic review and meta-analysis of randomized controlled trials. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 76-90.	2.2	96
48	Overproduction of monokines by leukocytes after stimulation with lipopolysaccharide in the elderly. <i>Experimental Gerontology</i> , 2002, 37, 235-247.	1.2	93
49	Zinc signals in neutrophil granulocytes are required for the formation of neutrophil extracellular traps. <i>Innate Immunity</i> , 2013, 19, 253-264.	1.1	89
50	Zinc supplementation induces regulatory T cells by inhibition of Sirt1 deacetylase in mixed lymphocyte cultures. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 661-671.	1.5	89
51	Extracellular and immunological actions of zinc. <i>BioMetals</i> , 2001, 14, 367-383.	1.8	88
52	Zinc status, psychological and nutritional assessment in old people recruited in five European countries: Zincage study. <i>Biogerontology</i> , 2006, 7, 339-345.	2.0	88
53	Neutrophil immunity of the elderly. <i>Mechanisms of Ageing and Development</i> , 2003, 124, 419-425.	2.2	87
54	T-Lymphocytes: A Target for Stimulatory and Inhibitory Effects of Zinc Ions. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2009, 9, 132-144.	0.6	87

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55	Effects of zinc supplementation on antioxidant enzyme activities in healthy old subjects. <i>Experimental Gerontology</i> , 2008, 43, 445-451.	1.2	77
56	TH1 and TH2 cell polarization increases with aging and is modulated by zinc supplementation. <i>Experimental Gerontology</i> , 2008, 43, 493-498.	1.2	74
57	The biochemical effects of extracellular Zn <sup>2+</sup> and other metal ions are severely affected by their speciation in cell culture media. <i>Metallomics</i> , 2015, 7, 102-111.	1.0	74
58	Differential impact of zinc deficiency on phagocytosis, oxidative burst, and production of pro-inflammatory cytokines by human monocytes. <i>Metallomics</i> , 2014, 6, 1288.	1.0	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 $\sim 174$ IL-6 polymorphic alleles. <i>Experimental Gerontology</i> , 2008, 43, 462-471.	1.2	71
60	Susceptibility to tuberculosis is associated with TLR1 polymorphisms resulting in a lack of TLR1 cell surface expression. <i>Journal of Leukocyte Biology</i> , 2011, 90, 377-388.	1.5	71
61	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
62	Micronutrients in autoimmune diseases: possible therapeutic benefits of zinc and vitamin D. <i>Journal of Nutritional Biochemistry</i> , 2020, 77, 108240.	1.9	69
63	Immunosenescence of Polymorphonuclear Neutrophils. <i>Scientific World Journal, The</i> , 2010, 10, 145-160.	0.8	67
64	Cellular zinc homeostasis is a regulator in monocyte differentiation of HL-60 cells by $1\pm,25$ -dihydroxyvitamin D3. <i>Journal of Leukocyte Biology</i> , 2010, 87, 833-844.	1.5	66
65	Chelation of Free Zn <sup>2+</sup> Impairs Chemotaxis, Phagocytosis, Oxidative Burst, Degranulation, and Cytokine Production by Neutrophil Granulocytes. <i>Biological Trace Element Research</i> , 2016, 171, 79-88.	1.9	66
66	Zinc deficiency and IL-6 $\sim 174$ G/C polymorphism in old people from different European countries: Effect of zinc supplementation. ZINCAGE study. <i>Experimental Gerontology</i> , 2008, 43, 433-444.	1.2	63
67	Polymorphonuclear leucocytes selectively produce anti-inflammatory interleukin-1 receptor antagonist and chemokines, but fail to produce pro-inflammatory mediators. <i>Immunology</i> , 2006, 119, 317-327.	2.0	62
68	Dietary and Physiological Effects of Zinc on the Immune System. <i>Annual Review of Nutrition</i> , 2021, 41, 133-175.	4.3	62
69	The human allicin-proteome: S-thioallylation of proteins by the garlic defence substance allicin and its biological effects. <i>Free Radical Biology and Medicine</i> , 2019, 131, 144-153.	1.3	61
70	Zinc homeostasis and immunosenescence. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 29, 24-30.	1.5	60
71	PTEN-inhibition by zinc ions augments interleukin-2-mediated Akt phosphorylation. <i>Metallomics</i> , 2014, 6, 1277.	1.0	59
72	Stimulation of Human Peripheral Blood Mononuclear Cells by Zinc and Related Cations. <i>Cytokine</i> , 1996, 8, 767-771.	1.4	57

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73	Influence of zinc supplementation on immune parameters in weaned pigs. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 49, 231-240.	1.5	56
74	Zinc enhances the number of regulatory T cells in allergen-stimulated cells from atopic subjects. <i>European Journal of Nutrition</i> , 2017, 56, 557-567.	1.8	55
75	Metal transporter Slc39a10 regulates susceptibility to inflammatory stimuli by controlling macrophage survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12940-12945.	3.3	55
76	Zinc in pharmacological doses suppresses allogeneic reaction without affecting the antigenic response. <i>Bone Marrow Transplantation</i> , 2004, 33, 1241-1246.	1.3	54
77	CYTOKINE INTERACTIONS IN HUMAN MIXED LYMPHOCYTE CULTURE. <i>Transplantation</i> , 1994, 57, 1638-1642.	0.5	53
78	Inter-individual differences in cytokine release in patients undergoing cardiac surgery with cardiopulmonary bypass. <i>Clinical and Experimental Immunology</i> , 2001, 125, 80-88.	1.1	51
79	Zinc supplementation induces CD4+CD25+Foxp3+ antigen-specific regulatory T cells and suppresses IFN- $\gamma$ production by upregulation of Foxp3 and KLF-10 and downregulation of IRF-1. <i>European Journal of Nutrition</i> , 2017, 56, 1859-1869.	1.8	51
80	Cellular zinc homeostasis modulates polarization of THP-1-derived macrophages. <i>European Journal of Nutrition</i> , 2018, 57, 2161-2169.	1.8	50
81	Zinc Inhibits the Mixed Lymphocyte Culture. <i>Biological Trace Element Research</i> , 2001, 79, 15-22.	1.9	49
82	Regulation of the Interleukin-6 gene expression during monocytic differentiation of HL-60 cells by chromatin remodeling and methylation. <i>Immunobiology</i> , 2014, 219, 619-626.	0.8	48
83	Accelerated telomere shortening in peripheral blood lymphocytes after occupational polychlorinated biphenyls exposure. <i>Archives of Toxicology</i> , 2017, 91, 289-300.	1.9	48
84	Main biomarkers associated with age-related plasma zinc decrease and copper/zinc ratio in healthy elderly from ZincAge study. <i>European Journal of Nutrition</i> , 2017, 56, 2457-2466.	1.8	48
85	Zinc supplementation ameliorates lung injury by reducing neutrophil recruitment and activity. <i>Thorax</i> , 2020, 75, 253-261.	2.7	48
86	Crosslinking of CD66b on Peripheral Blood Neutrophils Mediates the Release of Interleukin-8 from Intracellular Storage. <i>Human Immunology</i> , 2006, 67, 676-682.	1.2	45
87	Repletion of zinc in zinc-deficient cells strongly up-regulates IL-1 $\beta$ -induced IL-2 production in T-cells. <i>Metallomics</i> , 2012, 4, 1088.	1.0	45
88	Analysis of antigen-presenting functionality of cultured rat hepatic stellate cells and transdifferentiated myofibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 342-347.	1.0	44
89	The impaired immune response to diphtheria vaccination in elderly chronic hemodialysis patients is related to zinc deficiency. <i>Biogerontology</i> , 2000, 1, 61-66.	2.0	43
90	Leucocyte response and anti-inflammatory cytokines in community acquired pneumonia. <i>Thorax</i> , 2001, 56, 121-125.	2.7	43

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91	Effect of improved zinc status on T helper cell activation and TH1/TH2 ratio in healthy elderly individuals. <i>Biogerontology</i> , 2006, 7, 429-435.	2.0	43
92	Differential Gene Expression after Zinc Supplementation and Deprivation in Human Leukocyte Subsets. <i>Molecular Medicine</i> , 2007, 13, 362-370.	1.9	43
93	Superantigen Genes Are More Important than the <i>emm</i> Type for the Invasiveness of Group A <i>Streptococcus</i> Infection. <i>Journal of Infectious Diseases</i> , 2010, 202, 20-28.	1.9	42
94	Parameters Influencing Zinc in Experimental Systems in Vivo and in Vitro. <i>Metals</i> , 2016, 6, 71.	1.0	40
95	Zinc, Metallothioneins, and Longevity:. <i>Annals of the New York Academy of Sciences</i> , 2007, 1119, 129-146.	1.8	39
96	In vitro and in vivo effects of zinc on cytokine signalling in human T cells. <i>Experimental Gerontology</i> , 2008, 43, 472-482.	1.2	39
97	Zinc differentially regulates mitogen-activated protein kinases in human T cells. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 18-26.	1.9	38
98	Induction of a Cytokine Network by Superantigens with Parallel TH1 and TH2 Stimulation. <i>Journal of Interferon and Cytokine Research</i> , 1996, 16, 41-47.	0.5	35
99	Mediterranean diet and plasma concentration of inflammatory markers in old and very old subjects in the ZINCAGE population study. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008, 46, 990-6.	1.4	35
100	Changes in chromatin structure and methylation of the human interleukin-1 $\beta$ gene during monopoiesis. <i>Immunology</i> , 2010, 130, 410-417.	2.0	35
101	T-helper type 1 cytokine release is enhanced by in vitro zinc supplementation due to increased natural killer cells. <i>Nutrition</i> , 2007, 23, 157-163.	1.1	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. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 1241-1247.	1.1	34
103	Zinc supplementation augments TGF $\beta$ 1-dependent regulatory T cell induction. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600493.	1.5	34
104	A short 18 items food frequency questionnaire biochemically validated to estimate zinc status in humans. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 49, 285-295.	1.5	34
105	Ethylmercury and Hg $^{2+}$ induce the formation of neutrophil extracellular traps (NETs) by human neutrophil granulocytes. <i>Archives of Toxicology</i> , 2016, 90, 543-550.	1.9	33
106	Zinc supplementation plays a crucial role in T helper 9 differentiation in allogeneic immune reactions and non-activated T cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 482-488.	1.5	33
107	Zinc deficiency as a possible risk factor for increased susceptibility and severe progression of Corona Virus Disease 19. <i>British Journal of Nutrition</i> , 2022, 127, 214-232.	1.2	33
108	B cell activation and proliferation increase intracellular zinc levels. <i>Journal of Nutritional Biochemistry</i> , 2019, 64, 72-79.	1.9	32

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109	Evidence for presence of IgG4 anti-immunoglobulin autoantibodies in all human beings. <i>Lancet</i> , The, 2000, 355, 1617-1618.	6.3	30
110	Metallothionein Downregulation in Very Old Age: A Phenomenon Associated with Cellular Senescence?. <i>Rejuvenation Research</i> , 2008, 11, 455-459.	0.9	29
111	Cadmium ions induce monocytic production of tumor necrosis factor-alpha by inhibiting mitogen activated protein kinase dephosphorylation. <i>Toxicology Letters</i> , 2010, 198, 152-158.	0.4	29
112	Assessment of gene-nutrient interactions on inflammatory status of the elderly with the use of a zinc diet score - ZINCAGE study. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 526-531.	1.9	28
113	Hypothermia enhances the biological activity of lipopolysaccharide by altering its fluidity state. <i>FEBS Journal</i> , 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. <i>BMC Immunology</i> , 2006, 7, 5.	0.9	27
115	Zinc deficiency drives Th17 polarization and promotes loss of Treg cell function. <i>Journal of Nutritional Biochemistry</i> , 2019, 63, 11-18.	1.9	26
116	Interaction of Zinc Ions with Human Peripheral Blood Mononuclear Cells. <i>Cellular Immunology</i> , 1996, 171, 255-261.	1.4	25
117	A new closed-tube multiplex real-time PCR to detect eleven superantigens of <i>Streptococcus pyogenes</i> identifies a strain without superantigen activity. <i>International Journal of Medical Microbiology</i> , 2007, 297, 471-478.	1.5	25
118	IFN- $\beta$ Reduction by Tricyclic Antidepressants. <i>International Journal of Psychiatry in Medicine</i> , 2010, 40, 413-424.	0.8	25
119	Immunotoxicity Monitoring in a Population Exposed to Polychlorinated Biphenyls. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 295.	1.2	25
120	Influence of zinc deficiency and supplementation on NK cell cytotoxicity. <i>Journal of Functional Foods</i> , 2018, 48, 322-328.	1.6	25
121	Induction of a Proinflammatory Cytokine Network by <i>Mycoplasma arthritidis</i> -Derived Superantigen (MAS). <i>Journal of Interferon and Cytokine Research</i> , 1996, 16, 861-868.	0.5	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. <i>European Psychiatry</i> , 2005, 20, 451-455.	0.1	23
124	MHC class II molecules activate NFAT and the ERK group of MAPK through distinct signaling pathways in B cells. <i>European Journal of Immunology</i> , 2009, 39, 1947-1955.	1.6	23
125	One-Way Synergistic Effect of Low Superantigen Concentrations on Lipopolysaccharide-Induced Cytokine Production. <i>Journal of Interferon and Cytokine Research</i> , 1997, 17, 229-238.	0.5	22
126	Zinc Homeostasis in Aging: Two Elusive Faces of the Same "Metal". <i>Rejuvenation Research</i> , 2006, 9, 351-354.	0.9	22



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127	Zinc ions cause the thimerosal-induced signal of fluorescent calcium probes in lymphocytes. <i>Cell Calcium</i> , 2009, 45, 185-191.	1.1	22
128	Induction of Interleukin-6 in Murine Bone Marrow-Derived Macrophages Stimulated by the Mycoplasma Arthritis Mitogen Mas. <i>Autoimmunity</i> , 1990, 7, 317-327.	1.2	21
129	Impact of allicin on macrophage activity. <i>Food Chemistry</i> , 2012, 134, 141-148.	4.2	21
130	Leukocyte Counts Based on DNA Methylation at Individual Cytosines. <i>Clinical Chemistry</i> , 2018, 64, 566-575.	1.5	21
131	Influence of serum on zinc, toxic shock syndrome toxin-1, and lipopolysaccharide-induced production of IFN- $\gamma$ and IL-1 $\beta$ by human mononuclear cells. <i>Journal of Leukocyte Biology</i> , 1995, 57, 904-908.	1.5	20
132	Differential synthesis of two interleukin-1 receptor antagonist variants and interleukin-8 by peripheral blood neutrophils. <i>Cytokine</i> , 2005, 32, 246-253.	1.4	20
133	Experimental peri-implant mucositis around titanium and zirconia implants in comparison to a natural tooth: part 2 – clinical and microbiological parameters. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 560-565.	0.7	20
134	Contrasting contributions of complementarity-determining region 2 and hypervariable region 4 of rat BV8S2+ (V $\alpha$ 8.2) TCR to the recognition of myelin basic protein and different types of bacterial superantigens. <i>International Immunology</i> , 2004, 16, 655-663.	1.8	19
135	Impact of lead and mercuric ions on the interleukin-2-dependent proliferation and survival of T cells. <i>Archives of Toxicology</i> , 2013, 87, 249-258.	1.9	19
136	Effect of ZIP2 Gln/Arg/Leu (rs2234632) polymorphism on zinc homeostasis and inflammatory response following zinc supplementation. <i>BioFactors</i> , 2015, 41, 414-423.	2.6	19
137	In situ hybridization of the mRNA for interferon- $\beta$ , interferon- $\gamma$ , interferon- $\alpha$ , interleukin-1 $\beta$ and interleukin-6 and characterization of infiltrating cells in thyroid tissues. <i>Journal of Immunological Methods</i> , 1992, 148, 233-242.	0.6	18
138	Use of molecular indicators of inflammation to assess the biocompatibility of all-ceramic restorations. <i>Journal of Clinical Periodontology</i> , 2016, 43, 173-179.	2.3	18
139	Influence of DNA-methylation on zinc homeostasis in myeloid cells: Regulation of zinc transporters and zinc binding proteins. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 37, 125-133.	1.5	18
140	Zinc deficiency leads to reduced interleukin-2 production by active gene silencing due to enhanced CREM1 expression in T cells. <i>Clinical Nutrition</i> , 2021, 40, 3263-3278.	2.3	18
141	Mercuric ions inhibit mitogen-activated protein kinase dephosphorylation by inducing reactive oxygen species. <i>Toxicology and Applied Pharmacology</i> , 2011, 250, 78-86.	1.3	17
142	Interferon and Lymphokine Production by Human Placental and Cord Blood Cells. <i>Journal of Interferon Research</i> , 1992, 12, 113-117.	1.2	16
143	Zinc and ageing (ZINCAGE Project). <i>Biogerontology</i> , 2006, 7, 305-306.	2.0	16
144	Influence of +1245 A/G MT1A polymorphism on advanced glycation end-products (AGEs) in elderly: effect of zinc supplementation. <i>Genes and Nutrition</i> , 2014, 9, 426.	1.2	16

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145	Association among 1267 A/G HSP70-2, $\hat{\sim}$ 308 G/A TNF- $\hat{\pm}$ polymorphisms and pro-inflammatory plasma mediators in old ZincAge population. <i>Biogerontology</i> , 2014, 15, 65-79.	2.0	15
146	Zinc chelation decreases IFN- $\hat{2}$ -induced STAT1 upregulation and iNOS expression in RAW 264.7 macrophages. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 44, 76-82.	1.5	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. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 54, 214-220.	1.5	14
149	Effects of long-term zinc supplementation and deprivation on gene expression in human THP-1 mononuclear cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2008, 22, 325-336.	1.5	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. <i>Immunology</i> , 2008, 123, 480-490.	2.0	13
151	Lead ions abrogate lipopolysaccharide-induced nitric oxide toxicity by reducing the expression of STAT1 and iNOS. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 37, 117-124.	1.5	13
152	Rebalancing the unbalanced aged immune system $\hat{\text{e}}$ A special focus on zinc. <i>Ageing Research Reviews</i> , 2022, 74, 101541.	5.0	13
153	Reply to Reinhold et al.. <i>Trends in Immunology</i> , 1999, 20, 102-103.	7.5	12
154	Human Neutrophils Produce Macrophage Inhibitory Protein-1 $\hat{2}$ but Not Type I Interferons in Response to Viral Stimulation. <i>Journal of Interferon and Cytokine Research</i> , 2001, 21, 241-247.	0.5	12
155	Zinc and the immune system of elderly. <i>Advances in Cell Aging and Gerontology</i> , 2002, 13, 243-259.	0.1	12
156	Effects of human Toll-like receptor 1 polymorphisms on ageing. <i>Immunity and Ageing</i> , 2013, 10, 4.	1.8	12
157	Mycoplasma arthritidis-derived superantigen (MAM) displays DNase activity. <i>FEMS Immunology and Medical Microbiology</i> , 2007, 49, 266-271.	2.7	11
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