Alexey A Tinkov

List of Publications by Citations

184 papers	2,826 citations	27 h-index	45 g-index
203 ext. papers	4,036 ext. citations	4.3 avg, IF	5.71 L-index

#	Paper	IF	Citations
184	Zinc and respiratory tract infections: Perspectives for COVID-19 (Review). *International Journal of Molecular Medicine*, **2020**, 46, 17-26	4.4	219
183	Zinc status is associated with inflammation, oxidative stress, lipid, and glucose metabolism. *Journal of Physiological Sciences*, **2018**, 68, 19-31	2.3	157
182	The role of cadmium in obesity and diabetes. *Science of the Total Environment*, **2017**, 601-602, 741-755	10.2	145
181	Gut as a target for cadmium toxicity. *Environmental Pollution*, **2018**, 235, 429-434	9.3	84
180	Cadmium and atherosclerosis: A review of toxicological mechanisms and a meta-analysis of epidemiologic studies. *Environmental Research*, **2018**, 162, 240-260	7.9	83
179	Early Nutritional Interventions with Zinc, Selenium and Vitamin D for Raising Anti-Viral Resistance Against Progressive COVID-19. *Nutrients*, **2020**, 12,	6.7	79
178	Molecular interaction between mercury and selenium in neurotoxicity. *Coordination Chemistry Reviews*, **2017**, 332, 30-37	23.2	78
177	Oxidative Stress in Autism Spectrum Disorder. *Molecular Neurobiology*, **2020**, 57, 2314-2332	6.2	76
176	Interactions of iron with manganese, zinc, chromium, and selenium as related to prophylaxis and treatment of iron deficiency. *Journal of Trace Elements in Medicine and Biology*, **2017**, 41, 41-53	4.1	59
175	Mercury and metabolic syndrome: a review of experimental and clinical observations. *BioMetals*, **2015**, 28, 231-54	3.4	59
174	Sulfhydryl groups as targets of mercury toxicity. *Coordination Chemistry Reviews*, **2020**, 417, 213343-213343	23.2	55
173	Toxic metal(loid)-based pollutants and their possible role in autism spectrum disorder. *Environmental Research*, **2018**, 166, 234-250	7.9	50
172	Hair toxic and essential trace elements in children with autism spectrum disorder. *Metabolic Brain Disease*, **2017**, 32, 195-202	3.9	46
171	Relationship between selenium, lead, and mercury in red blood cells of Saudi autistic children. *Metabolic Brain Disease*, **2017**, 32, 1073-1080	3.9	44
170	The role of the thioredoxin/thioredoxin reductase system in the metabolic syndrome: towards a possible prognostic marker?. *Cellular and Molecular Life Sciences*, **2018**, 75, 1567-1586	10.3	43
169	Mutual interaction between iron homeostasis and obesity pathogenesis. *Journal of Trace Elements in Medicine and Biology*, **2015**, 30, 207-14	4.1	42
168	Reference values of hair toxic trace elements content in occupationally non-exposed Russian population. *Environmental Toxicology and Pharmacology*, **2015**, 40, 18-21	5.8	42

167	Impacts of the COVID-19 Pandemic on Food Security and Diet-Related Lifestyle Behaviors: An Analytical Study of Google Trends-Based Query Volumes. *Nutrients*, **2020**, 12,	6.7	41
166	Hair toxic element content in adult men and women in relation to body mass index. *Biological Trace Element Research*, **2014**, 161, 13-9	4.5	40
165	Evaluation of whole blood zinc and copper levels in children with autism spectrum disorder. *Metabolic Brain Disease*, **2016**, 31, 887-90	3.9	37
164	Hair concentration of essential trace elements in adult non-exposed Russian population. *Environmental Monitoring and Assessment*, **2015**, 187, 677	3.1	33
163	Chelator combination as therapeutic strategy in mercury and lead poisonings. *Coordination Chemistry Reviews*, **2018**, 358, 1-12	23.2	33
162	Selenium and Selenoproteins in Adipose Tissue Physiology and Obesity. *Biomolecules*, **2020**, 10,	5.9	32
161	Assessment of serum trace elements and electrolytes in children with childhood and atypical autism. *Journal of Trace Elements in Medicine and Biology*, **2017**, 43, 9-14	4.1	32
160	The role of glutathione redox imbalance in autism spectrum disorder: A review. *Free Radical Biology and Medicine*, **2020**, 160, 149-162	7.8	31
159	Effect of Spirulina maxima Supplementation on Calcium, Magnesium, Iron, and Zinc Status in Obese Patients with Treated Hypertension. *Biological Trace Element Research*, **2016**, 173, 1-6	4.5	28
158	Lead (Pb) exposure induces dopaminergic neurotoxicity in : Involvement of the dopamine transporter. *Toxicology Reports*, **2019**, 6, 833-840	4.8	28
157	Age-related differences in hair trace elements: a cross-sectional study in Orenburg, Russia. *Annals of Human Biology*, **2016**, 43, 438-44	1.7	26
156	Analysis of Hair Trace Elements in Children with Autism Spectrum Disorders and Communication Disorders. *Biological Trace Element Research*, **2017**, 177, 215-223	4.5	26
155	Toxic metal exposure as a possible risk factor for COVID-19 and other respiratory infectious diseases. *Food and Chemical Toxicology*, **2020**, 146, 111809	4.7	25
154	Adipose tissue chromium and vanadium disbalance in high-fat fed Wistar rats. *Journal of Trace Elements in Medicine and Biology*, **2015**, 29, 176-81	4.1	24
153	Zinc deficiency as a mediator of toxic effects of alcohol abuse. *European Journal of Nutrition*, **2018**, 57, 2313-2322	5.2	24
152	Assessment of gender and age effects on serum and hair trace element levels in children with autism spectrum disorder. *Metabolic Brain Disease*, **2017**, 32, 1675-1684	3.9	22
151	Selenium, Zinc, Chromium, and Vanadium Levels in Serum, Hair, and Urine Samples of Obese Adults Assessed by Inductively Coupled Plasma Mass Spectrometry. *Biological Trace Element Research*, **2021**, 199, 490-499	4.5	22
150	Manganese in the Diet: Bioaccessibility, Adequate Intake, and Neurotoxicological Effects. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 12893-12903	5.7	22

149	Insights into the Potential Role of Mercury in Alzheimer's Disease. *Journal of Molecular Neuroscience*, **2019**, 67, 511-533	3.3	21
148	Hair Trace Elements in Overweight and Obese Adults in Association with Metabolic Parameters. *Biological Trace Element Research*, **2018**, 186, 12-20	4.5	21
147	Serum trace elements are associated with hemostasis, lipid spectrum and inflammatory markers in men suffering from acute ischemic stroke. *Metabolic Brain Disease*, **2017**, 32, 779-788	3.9	19
146	Alteration of local adipose tissue trace element homeostasis as a possible mechanism of obesity-related insulin resistance. *Medical Hypotheses*, **2015**, 85, 343-7	3.8	19
145	Assessment of copper, iron, zinc and manganese status and speciation in patients with Parkinson's disease: A pilot study. *Journal of Trace Elements in Medicine and Biology*, **2020**, 59, 126423	4.1	19
144	Association between catatonia and levels of hair and serum trace elements and minerals in autism spectrum disorder. *Biomedicine and Pharmacotherapy*, **2019**, 109, 174-180	7.5	19
143	The influence of physical activity on hair toxic and essential trace element content in male and female students. *Biological Trace Element Research*, **2015**, 163, 58-66	4.5	18
142	Serum copper, zinc, and iron levels, and markers of carbohydrate metabolism in postmenopausal women with prediabetes and type 2 diabetes mellitus. *Journal of Trace Elements in Medicine and Biology*, **2017**, 43, 46-51	4.1	18
141	Chronic administration of iron and copper potentiates adipogenic effect of high fat diet in Wistar rats. *BioMetals*, **2013**, 26, 447-63	3.4	17
140	Manganese-induced neurodegenerative diseases and possible therapeutic approaches. *Expert Review of Neurotherapeutics*, **2020**, 20, 1109-1121	4.3	17
139	Serum Zinc, Copper, and Other Biometals Are Associated with COVID-19 Severity Markers. *Metabolites*, **2021**, 11,	5.6	17
138	Brain diseases in changing climate. *Environmental Research*, **2019**, 177, 108637	7.9	16
137	Plantago maxima leaves extract inhibits adipogenic action of a high-fat diet in female Wistar rats. *European Journal of Nutrition*, **2014**, 53, 831-42	5.2	16
136	The impact of manganese on neurotransmitter systems. *Journal of Trace Elements in Medicine and Biology*, **2020**, 61, 126554	4.1	16
135	Associations between metabolic syndrome and four heavy metals: A systematic review and meta-analysis. *Environmental Pollution*, **2021**, 273, 116480	9.3	16
134	Chronic exposure to methylmercury induces puncta formation in cephalic dopaminergic neurons in Caenorhabditis elegans. *NeuroToxicology*, **2020**, 77, 105-113	4.4	15
133	Trace element levels are associated with neuroinflammatory markers in children with autistic spectrum disorder. *Journal of Trace Elements in Medicine and Biology*, **2018**, 50, 622-628	4.1	15
132	Serum zinc, copper, zinc-to-copper ratio, and other essential elements and minerals in children with attention deficit/hyperactivity disorder (ADHD). *Journal of Trace Elements in Medicine and Biology*, **2020**, 58, 126445	4.1	15

131	Sex-Specific Differences in Redox Homeostasis in Brain Norm and Disease. *Journal of Molecular Neuroscience*, **2019**, 67, 312-342	3.3	15
130	The Reference Intervals of Hair Trace Element Content in Hereford Cows and Heifers (Bos taurus). *Biological Trace Element Research*, **2017**, 180, 56-62	4.5	14
129	Whole blood and hair trace elements and minerals in children living in metal-polluted area near copper smelter in Karabash, Chelyabinsk region, Russia. *Environmental Science and Pollution Research*, **2018**, 25, 2014-2020	5.1	14
128	Serum Trace Element Profiles, Prolactin, and Cortisol in Transient Ischemic Attack Patients. *Biological Trace Element Research*, **2016**, 172, 93-100	4.5	14
127	Serum Trace Elements and Electrolytes Are Associated with Fasting Plasma Glucose and HbA in Postmenopausal Women with Type 2 Diabetes Mellitus. *Biological Trace Element Research*, **2017**, 177, 25-32	4.5	14
126	Evaluation of tissue metal and trace element content in a rat model of non-alcoholic fatty liver disease using ICP-DRC-MS. *Journal of Trace Elements in Medicine and Biology*, **2017**, 39, 91-99	4.1	14
125	The level of toxic and essential trace elements in hair of petrochemical workers involved in different technological processes. *Environmental Science and Pollution Research*, **2017**, 24, 5576-5584	5.1	13
124	Serum trace elements are interrelated with hormonal imbalance in men with acute ischemic stroke. *Journal of Trace Elements in Medicine and Biology*, **2017**, 43, 142-147	4.1	13
123	Trace element biomonitoring in hair and blood of occupationally unexposed population residing in polluted areas of East Kazakhstan and Pavlodar regions. *Journal of Trace Elements in Medicine and Biology*, **2019**, 56, 31-37	4.1	13
122	Decreased adipose tissue zinc content is associated with metabolic parameters in high fat fed Wistar rats. *Acta Scientiarum Polonorum, Technologia Alimentaria*, **2016**, 15, 99-105	1	13
121	Early High-Fat Feeding Induces Alteration of Trace Element Content in Tissues of Juvenile Male Wistar Rats. *Biological Trace Element Research*, **2017**, 175, 367-374	4.5	12
120	Geographic variation of environmental, food, and human hair selenium content in an industrial region of Russia. *Environmental Research*, **2019**, 171, 293-301	7.9	11
119	Effect of short-term zinc supplementation on zinc and selenium tissue distribution and serum antioxidant enzymes. *Acta Scientiarum Polonorum, Technologia Alimentaria*, **2015**, 14, 269-276	1	11
118	Adipotropic effects of heavy metals and their potential role in obesity. *Faculty Reviews*, **2021**, 10, 32	1.2	11
117	Mercury as a possible link between maternal obesity and autism spectrum disorder. *Medical Hypotheses*, **2016**, 91, 90-94	3.8	11
116	Molecular mechanisms of aluminum neurotoxicity: Update on adverse effects and therapeutic strategies. *Advances in Neurotoxicology*, **2021**, 5, 1-34	1.6	11
115	Boron - A potential goiterogen?. *Medical Hypotheses*, **2017**, 104, 63-67	3.8	10
114	Serum levels of copper, iron, and manganese in women with pregnancy, miscarriage, and primary infertility. *Journal of Trace Elements in Medicine and Biology*, **2019**, 56, 124-130	4.1	10

113	In Vitro Bioavailability of Calcium, Magnesium, Iron, Zinc, and Copper from Gluten-Free Breads Supplemented with Natural Additives. *Biological Trace Element Research*, **2018**, 182, 140-146	4.5	10
112	ICP-MS Assessment of Hair Essential Trace Elements and Minerals in Russian Preschool and Primary School Children with Attention-Deficit/Hyperactivity Disorder (ADHD). *Biological Trace Element Research*, **2020**, 196, 400-409	4.5	10
111	Molecular Targets of Manganese-Induced Neurotoxicity: A Five-Year Update. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	10
110	Zinc, copper, and oxysterol levels in patients with type 1 and type 2 diabetes mellitus. *Clinical Nutrition*, **2020**, 39, 1849-1856	5.9	10
109	Copper and zinc levels in soil, water, wheat, and hair of inhabitants of three areas of the Orenburg region, Russia. *Environmental Research*, **2018**, 166, 158-166	7.9	10
108	Assessment of hair metal levels in aluminium plant workers using scalp hair ICP-DRC-MS analysis. *Journal of Trace Elements in Medicine and Biology*, **2018**, 50, 658-663	4.1	9
107	Zinc asparaginate supplementation induces redistribution of toxic trace elements in rat tissues and organs. *Interdisciplinary Toxicology*, **2015**, 8, 131-8	2.3	9
106	Hair trace element concentrations in autism spectrum disorder (ASD) and attention deficit/hyperactivity disorder (ADHD). *Journal of Trace Elements in Medicine and Biology*, **2020**, 61, 126539	4.1	9
105	The Role of Toxic Metals and Metalloids in Nrf2 Signaling. *Antioxidants*, **2021**, 10,	7.1	9
104	Interactive effects of age and gender on levels of toxic and potentially toxic metals in children hair in different urban environments. *International Journal of Environmental Analytical Chemistry*, **2018**, 98, 520-535	1.8	9
103	Comparative Analysis of the Trace Element Content of the Leaves and Roots of Three Plantago Species. *Biological Trace Element Research*, **2016**, 173, 225-30	4.5	8
102	Hair Trace Elements are Associated with Increased Thyroid Volume in Schoolchildren with Goiter. *Biological Trace Element Research*, **2016**, 174, 261-266	4.5	8
101	An updated systematic review on the association between Cd exposure, blood pressure and hypertension. *Ecotoxicology and Environmental Safety*, **2021**, 208, 111636	7	8
100	Streptozotocin (STZ)-Induced Diabetes Affects Tissue Trace Element Content in Rats in a Dose-Dependent Manner. *Biological Trace Element Research*, **2020**, 198, 567-574	4.5	7
99	Hair mercury association with selenium, serum lipid spectrum, and gamma-glutamyl transferase activity in adults. *Biological Trace Element Research*, **2014**, 161, 255-62	4.5	7
98	Influence of iron and copper consumption on weight gain and oxidative stress in adipose tissue of Wistar rats. *Interdisciplinary Toxicology*, **2012**, 5, 127-32	2.3	7
97	Selenium Antagonism with Mercury and Arsenic: From Chemistry to Population Health and Demography **2016**, 401-412		7
96	Zinc. *Advances in Food and Nutrition Research*, **2021**, 96, 251-310	6	7

95	The Level of Toxic Elements in Edible Crops from Seleniferous Area (Punjab, India). *Biological Trace Element Research*, **2018**, 184, 523-528	4.5	7
94	Copper, Iron, Selenium and Lipo-Glycemic Dysmetabolism in Alzheimer's Disease. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
93	Mucociliary transport as a link between chronic rhinosinusitis and trace element dysbalance. *Medical Hypotheses*, **2019**, 127, 5-10	3.8	6
92	Influence of Plantaginaceae species on E. coli K12 growth in vitro: Possible relation to phytochemical properties. *Pharmaceutical Biology*, **2015**, 53, 715-24	3.8	6
91	Synergistic effect of selenium and UV-B radiation in enhancing antioxidant level of wheatgrass grown from selenium rich wheat. *Journal of Food Biochemistry*, **2018**, 42, e12577	3.3	6
90	Sirtuins as molecular targets, mediators, and protective agents in metal-induced toxicity. *Archives of Toxicology*, **2021**, 95, 2263-2278	5.8	6
89	Hair Mineral and Trace Element Content in Children with Down's Syndrome. *Biological Trace Element Research*, **2019**, 188, 230-238	4.5	6
88	Zinc, copper, cadmium, and lead levels in cattle tissues in relation to different metal levels in ground water and soil. *Environmental Science and Pollution Research*, **2019**, 26, 559-569	5.1	6
87	Organotins in obesity and associated metabolic disturbances. *Journal of Inorganic Biochemistry*, **2019**, 191, 49-59	4.2	6
86	Selenium-rich maize modulates the expression of prostaglandin genes in lipopolysaccharide-stimulated RAW264.7 macrophages. *Food and Function*, **2019**, 10, 2839-2846	6.1	5
85	Integrating genome-wide association study summaries and element-gene interaction datasets identified multiple associations between elements and complex diseases. *Genetic Epidemiology*, **2018**, 42, 168-173	2.6	5
84	Hair Trace Element and Electrolyte Content in Women with Natural and In Vitro Fertilization-Induced Pregnancy. *Biological Trace Element Research*, **2018**, 181, 1-9	4.5	5
83	Cobalt in athletes: hypoxia and doping - new crossroads.. *Journal of Applied Biomedicine*, **2019**, 17, 28	0.6	5
82	Blood Essential Trace Elements and Vitamins in Students with Different Physical Activity. *Pakistan Journal of Nutrition*, **2015**, 14, 721-726	0.3	5
81	Magnesium Status in Children with Attention-Deficit/Hyperactivity Disorder and/or Autism Spectrum Disorder. *Soa□$ceongsogyeon Jeongsin Yihag*, **2020**, 31, 41-45	1.2	5
80	Effect of Zn Supplementation on Trace Element Status in Rats with Diet-Induced Non-alcoholic Fatty Liver Disease. *Biological Trace Element Research*, **2020**, 197, 202-212	4.5	5
79	Endothelial Dysfunction Induced by Cadmium and Mercury and its Relationship to Hypertension. *Current Hypertension Reviews*, **2021**, 17, 14-26	2.3	5
78	Comparative Hair Trace Element Profile in the Population of Sakhalin and Taiwan Pacific Islands. *Biological Trace Element Research*, **2018**, 184, 308-316	4.5	5

77	Selenium in Ischemic Stroke. *Molecular and Integrative Toxicology*, **2018**, 211-230	0.5	5
76	Environmental and health hazards of military metal pollution. *Environmental Research*, **2021**, 201, 111568	7.9	5
75	Aluminium levels in hair and urine are associated with overweight and obesity in a non-occupationally exposed population. *Journal of Trace Elements in Medicine and Biology*, **2019**, 56, 139-145	4.1	4
74	Iron and Advanced Glycation End Products: Emerging Role of Iron in Androgen Deficiency in Obesity. *Antioxidants*, **2020**, 9,	7.1	4
73	ICP-DRC-MS analysis of serum essential and toxic element levels in postmenopausal prediabetic women in relation to glycemic control markers. *Journal of Trace Elements in Medicine and Biology*, **2018**, 50, 430-434	4.1	4
72	Dysregulated Iron Metabolism-Associated Dietary Pattern Predicts an Altered Body Composition and Metabolic Syndrome. *Nutrients*, **2019**, 11,	6.7	4
71	The effect of alcohol consumption on maternal and cord blood electrolyte and trace element levels. *Acta Scientiarum Polonorum, Technologia Alimentaria*, **2016**, 15, 439-445	1	4
70	The Role of Human LRRK2 in Methylmercury-Induced Inhibition of Microvesicle Formation of Cephalic Neurons in Caenorhabditis elegans. *Neurotoxicity Research*, **2020**, 38, 751-764	4.3	4
69	Trace Element and Mineral Levels in Serum, Hair, and Urine of Obese Women in Relation to Body Composition, Blood Pressure, Lipid Profile, and Insulin Resistance. *Biomolecules*, **2021**, 11,	5.9	4
68	The Impact of Maternal Overweight on Hair Essential Trace Element and Mineral Content in Pregnant Women and Their Children. *Biological Trace Element Research*, **2020**, 193, 64-72	4.5	4
67	Serum trace element and amino acid profile in children with cerebral palsy. *Journal of Trace Elements in Medicine and Biology*, **2021**, 64, 126685	4.1	4
66	Isolevuglandins (isoLGs) as toxic lipid peroxidation byproducts and their pathogenetic role in human diseases. *Free Radical Biology and Medicine*, **2021**, 162, 266-273	7.8	4
65	Combined Lycium babarum polysaccharides and C-phycocyanin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats. *Nutrition and Metabolism*, **2021**, 18, 4	4.6	4
64	Comparative analysis and the coverage intervals of hair rare metal content in two Russian industrial centres. *International Journal of Environmental Analytical Chemistry*, **2017**, 97, 520-533	1.8	3
63	Serum amino acid spectrum in children with autism spectrum disorder (ASD). *Research in Autism Spectrum Disorders*, **2020**, 77, 101605	3	3
62	Perinatal low-dose iron treatment influences susceptibility to diet-induced adipogenesis in early-aged male Wistar rats. *BioMetals*, **2014**, 27, 293-303	3.4	3
61	Relationship between gestational diabetes and serum trace element levels in pregnant women from Eastern Iran: a multivariate approach. *Environmental Science and Pollution Research*, **2021**, 28, 45230-45239	5.1	3
60	Alterations in Blood Metabolic Parameters of Immature Mice After Subchronic Exposure to Cobalt Chloride. *Biological Trace Element Research*, **2021**, 199, 588-593	4.5	3

59	Chronic exposure to methylmercury enhances the anorexigenic effects of leptin in C57BL/6J male mice. *Food and Chemical Toxicology*, **2021**, 147, 111924	4.7	3
58	The effect of supplementation on leptin and VEGF-A serum levels, endothelial dysfunction and angiogenesis in obese women - a randomised trial. *Food and Function*, **2021**, 12, 1708-1718	6.1	3
57	Alterations in serum amino acid profiles in children with attention deficit/hyperactivity disorder. *Biomedical Reports*, **2021**, 14, 47	1.8	3
56	Selenium and Autism Spectrum Disorder. *Molecular and Integrative Toxicology*, **2018**, 193-210	0.5	3
55	Gut Microbiota as a Potential Player in Mn-Induced Neurotoxicity. *Biomolecules*, **2021**, 11,	5.9	3
54	Selenium and Other Elements in Wheat (Triticum aestivum) and Wheat Bread from a Seleniferous Area. *Biological Trace Element Research*, **2019**, 192, 10-17	4.5	2
53	The efficiency of Governmental and WFP UN Programs for improvement of nutritional status in Tajik schoolchildren as assessed by dietary intake and hair trace element content. *Journal of Trace Elements in Medicine and Biology*, **2019**, 55, 196-203	4.1	2
52	Zinc supplementation modifies trace element status in exercised rats. *Journal of Applied Biomedicine*, **2017**, 15, 39-47	0.6	2
51	Ultratrace element contents in rat tissues: Comparative analysis of serum and hair as indicative matrices of the total body burden. *Archives of Biological Sciences*, **2016**, 68, 623-632	0.7	2
50	Effect of high fat diet on macroelement content in hair and adipose tissue of Wistar rats. *Trace Elements and Electrolytes*, **2014**, 31, 156-159	1.8	2
49	Hair trace elements in women with alcohol abuse and their offspring. *Trace Elements and Electrolytes*, **2016**, 33, 144-147	1.8	2
48	Associations of Food and Nutrient Intake with Serum Hepcidin and the Risk of Gestational Iron-Deficiency Anemia among Pregnant Women: A Population-Based Study. *Nutrients*, **2021**, 13,	6.7	2
47	Relationship Between Elevated Hair Mercury Levels, Essential Element Status, and Metabolic Profile in Overweight and Obese Adults. *Biological Trace Element Research*, **2021**, 199, 2874-2881	4.5	2
46	Cobalt accumulation and iron-regulatory protein profile expression in immature mouse brain after perinatal exposure to cobalt chloride. *Chemico-Biological Interactions*, **2020**, 329, 109217	5	2
45	Evaluating the risk of manganese-induced neurotoxicity of parenteral nutrition: review of the current literature. *Expert Opinion on Drug Metabolism and Toxicology*, **2021**, 17, 581-593	5.5	2
44	Gender difference in the association of dietary patterns and metabolic parameters with obesity in young and middle-aged adults with dyslipidemia and abnormal fasting plasma glucose in Taiwan. *Nutrition Journal*, **2019**, 18, 75	4.3	2
43	Hair Trace Element Levels in Han and Indigenous Hualien Inhabitants in Taiwan. *Biological Trace Element Research*, **2019**, 191, 1-9	4.5	2
42	The Impact of Perinatal Cobalt Chloride Exposure on Extramedullary Erythropoiesis, Tissue Iron Levels, and Transferrin Receptor Expression in Mice. *Biological Trace Element Research*, **2020**, 194, 423-431	4.5	2

41	Chronic exposure to methylmercury disrupts ghrelin actions in C57BL/6J mice. *Food and Chemical Toxicology*, **2021**, 147, 111918	4.7	2
40	Toxicological and nutritional status of trace elements in hair of women with in vitro fertilization (IVF) pregnancy and their 9-month-old children. *Reproductive Toxicology*, **2018**, 82, 50-56	3.4	2
39	The Aging Kidney-As Influenced by Heavy Metal Exposure and Selenium Supplementation. *Biomolecules*, **2021**, 11,	5.9	2
38	Hair Lead, Aluminum, and Other Toxic Metals in Normal-Weight and Obese Patients with Coronary Heart Disease. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
37	Mercury and cancer: Where are we now after two decades of research?. *Food and Chemical Toxicology*, **2022**, 113001	4.7	2
36	Generating Bacterial Foods in Toxicology Studies with Caenorhabditis elegans. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2020**, 84, e94	1	1
35	The joint 16th symposium on Trace Elements in Man and Animals (TEMA16), International Society for Trace Element Research in Humans (ISTERH-2017) and Nordic Trace Element Society (NTES), Saint-Petersburg, Russia, 26-29 June, 2017. *Journal of Trace Elements in Medicine and Biology*, **2018**, 50, 461-464	4.1	1
34	Systemic Essential Metal and Metalloid Levels in Patients with Benign Breast Disease and Breast Cancer.. *Biological Trace Element Research*, **2022**, 1	4.5	1
33	Ghrelin attenuates methylmercury-induced oxidative stress in neuronal cells.. *Molecular Neurobiology*, **2022**, 1	6.2	1
32	The influence of fortified food products on dietary iron, iodine, and zinc content in Tajik schoolchildren. *Gigiena I Sanitariia*, **2020**, 99, 975-979	0.4	1
31	The impact of lifestyle factors on age-related differences in hair trace element content in pregnant women in the third trimester. *Acta Scientiarum Polonorum, Technologia Alimentaria*, **2018**, 17, 83-89	1	1
30	Alteration of iron (Fe), copper (Cu), zinc (Zn), and manganese (Mn) tissue levels and speciation in rats with desferioxamine-induced iron deficiency. *BioMetals*, **2021**, 34, 923-936	3.4	1
29	A Case-Control Study of Essential and Toxic Trace Elements and Minerals in Hair of 0-4-Year-Old Children with Cerebral Palsy. *Biological Trace Element Research*, **2020**, 195, 399-408	4.5	1
28	URB597 Prevents the Short-Term Excitotoxic Cell Damage in Rat Cortical Slices: Role of Cannabinoid 1 Receptors. *Neurotoxicity Research*, **2021**, 39, 146-155	4.3	1
27	The Role of Human LRRK2 in Acute Methylmercury Toxicity in Caenorhabditis elegans. *Neurochemical Research*, **2021**, 46, 2991-3002	4.6	1
26	A follow-up study of mucociliary clearance and trace element and mineral status in children with chronic rhinosinusitis before and three months after endoscopic sinus surgery. *Journal of Trace Elements in Medicine and Biology*, **2021**, 68, 126812	4.1	1
25	Gut Microbiota as a Mediator of Essential and Toxic Effects of Zinc in the Intestines and Other Tissues. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
24	Arsenic, cadmium, mercury, and lead levels in hair and urine in first-year RUDN University students of different geographic origins. *Environmental Science and Pollution Research*, **2020**, 27, 34348-34356	5.1	0

23	Association Between Essential and Non-essential Metals, Body Composition, and Metabolic Syndrome in Adults.. *Biological Trace Element Research*, **2022**, 1	4.5	0
22	On the Biomedical Properties of Endocannabinoid Degradation and Reuptake Inhibitors: Pre-clinical and Clinical Evidence. *Neurotoxicity Research*, **2021**, 39, 2072-2097	4.3	0
21	High-dose ferric citrate supplementation attenuates omega-3 polyunsaturated fatty acid biosynthesis downregulating delta 5 and 6 desaturases in rats with high-fat diet-induced obesity. *Food and Function*, **2021**, 12, 11819-11828	6.1	0
20	Leveraging artificial intelligence to advance the understanding of chemical neurotoxicity.. *NeuroToxicology*, **2021**, 89, 9-11	4.4	0
19	The effect of the Ti (IV)-citrate complex on staphylococcus aureus growth and biofilm formation. *Archives of Biological Sciences*, **2015**, 67, 981-992	0.7	0
18	A Search for Similar Patterns in Hair Trace Element and Mineral Content in Children with Down's Syndrome, Obesity, and Growth Delay. *Biological Trace Element Research*, **2020**, 196, 607-617	4.5	0
17	Perinatal and early-life cobalt exposure impairs essential metal metabolism in immature ICR mice. *Food and Chemical Toxicology*, **2021**, 149, 111973	4.7	0
16	Profiling of selenium and other trace elements in breads from rice and maize cultivated in a seleniferous area of Punjab (India). *Journal of Food Science and Technology*, **2021**, 58, 825-833	3.3	0
15	Speciation of Serum Copper and Zinc-Binding High- and Low-Molecular Mass Ligands in Dairy Cows Using HPLC-ICP-MS Technique. *Biological Trace Element Research*, **2021**, 1	4.5	0
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