

Alexey A Tinkov

List of Publications by Year in descending order

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Version: 2024-02-01

199
papers

5,282
citations

109264

35
h-index

123376

61
g-index

203
all docs

203
docs citations

203
times ranked

5921
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc status is associated with inflammation, oxidative stress, lipid, and glucose metabolism. <i>Journal of Physiological Sciences</i> , 2018, 68, 19-31.	0.9	335
2	Zinc and respiratory tract infections: Perspectives for COVID-19 (Review). <i>International Journal of Molecular Medicine</i> , 2020, 46, 17-26.	1.8	312
3	The role of cadmium in obesity and diabetes. <i>Science of the Total Environment</i> , 2017, 601-602, 741-755.	3.9	191
4	Early Nutritional Interventions with Zinc, Selenium and Vitamin D for Raising Anti-Viral Resistance Against Progressive COVID-19. <i>Nutrients</i> , 2020, 12, 2358.	1.7	178
5	Sulfhydryl groups as targets of mercury toxicity. <i>Coordination Chemistry Reviews</i> , 2020, 417, 213343.	9.5	168
6	Cadmium and atherosclerosis: A review of toxicological mechanisms and a meta-analysis of epidemiologic studies. <i>Environmental Research</i> , 2018, 162, 240-260.	3.7	159
7	Oxidative Stress in Autism Spectrum Disorder. <i>Molecular Neurobiology</i> , 2020, 57, 2314-2332.	1.9	159
8	Gut as a target for cadmium toxicity. <i>Environmental Pollution</i> , 2018, 235, 429-434.	3.7	156
9	Molecular interaction between mercury and selenium in neurotoxicity. <i>Coordination Chemistry Reviews</i> , 2017, 332, 30-37.	9.5	108
10	Interactions of iron with manganese, zinc, chromium, and selenium as related to prophylaxis and treatment of iron deficiency. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 41, 41-53.	1.5	87
11	Mercury and metabolic syndrome: a review of experimental and clinical observations. <i>BioMetals</i> , 2015, 28, 231-254.	1.8	84
12	The role of glutathione redox imbalance in autism spectrum disorder: A review. <i>Free Radical Biology and Medicine</i> , 2020, 160, 149-162.	1.3	84
13	Impacts of the COVID-19 Pandemic on Food Security and Diet-Related Lifestyle Behaviors: An Analytical Study of Google Trends-Based Query Volumes. <i>Nutrients</i> , 2020, 12, 3103.	1.7	80
14	Toxic metal(loid)-based pollutants and their possible role in autism spectrum disorder. <i>Environmental Research</i> , 2018, 166, 234-250.	3.7	77
15	Molecular Targets of Manganese-Induced Neurotoxicity: A Five-Year Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4646.	1.8	68
16	Selenium and Selenoproteins in Adipose Tissue Physiology and Obesity. <i>Biomolecules</i> , 2020, 10, 658.	1.8	67
17	Manganese in the Diet: Bioaccessibility, Adequate Intake, and Neurotoxicological Effects. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12893-12903.	2.4	65
18	Hair toxic and essential trace elements in children with autism spectrum disorder. <i>Metabolic Brain Disease</i> , 2017, 32, 195-202.	1.4	64

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19	Relationship between selenium, lead, and mercury in red blood cells of Saudi autistic children. <i>Metabolic Brain Disease</i> , 2017, 32, 1073-1080.	1.4	63
20	The role of the thioredoxin/thioredoxin reductase system in the metabolic syndrome: towards a possible prognostic marker?. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1567-1586.	2.4	63
21	Serum Zinc, Copper, and Other Biometals Are Associated with COVID-19 Severity Markers. <i>Metabolites</i> , 2021, 11, 244.	1.3	60
22	Toxic metal exposure as a possible risk factor for COVID-19 and other respiratory infectious diseases. <i>Food and Chemical Toxicology</i> , 2020, 146, 111809.	1.8	59
23	Reference values of hair toxic trace elements content in occupationally non-exposed Russian population. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 18-21.	2.0	56
24	Mutual interaction between iron homeostasis and obesity pathogenesis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 30, 207-214.	1.5	53
25	Evaluation of whole blood zinc and copper levels in children with autism spectrum disorder. <i>Metabolic Brain Disease</i> , 2016, 31, 887-890.	1.4	52
26	Lead (Pb) exposure induces dopaminergic neurotoxicity in <i>Caenorhabditis elegans</i> : Involvement of the dopamine transporter. <i>Toxicology Reports</i> , 2019, 6, 833-840.	1.6	46
27	Chelator combination as therapeutic strategy in mercury and lead poisonings. <i>Coordination Chemistry Reviews</i> , 2018, 358, 1-12.	9.5	45
28	Hair Toxic Element Content in Adult Men and Women in Relation to Body Mass Index. <i>Biological Trace Element Research</i> , 2014, 161, 13-19.	1.9	44
29	Selenium, Zinc, Chromium, and Vanadium Levels in Serum, Hair, and Urine Samples of Obese Adults Assessed by Inductively Coupled Plasma Mass Spectrometry. <i>Biological Trace Element Research</i> , 2021, 199, 490-499.	1.9	44
30	Zinc. <i>Advances in Food and Nutrition Research</i> , 2021, 96, 251-310.	1.5	43
31	Hair concentration of essential trace elements in adult non-exposed Russian population. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 677.	1.3	42
32	Assessment of serum trace elements and electrolytes in children with childhood and atypical autism. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 43, 9-14.	1.5	42
33	Molecular mechanisms of aluminum neurotoxicity: Update on adverse effects and therapeutic strategies. <i>Advances in Neurotoxicology</i> , 2021, 5, 1-34.	0.7	40
34	Analysis of Hair Trace Elements in Children with Autism Spectrum Disorders and Communication Disorders. <i>Biological Trace Element Research</i> , 2017, 177, 215-223.	1.9	39
35	Zinc deficiency as a mediator of toxic effects of alcohol abuse. <i>European Journal of Nutrition</i> , 2018, 57, 2313-2322.	1.8	39
36	Associations between metabolic syndrome and four heavy metals: A systematic review and meta-analysis. <i>Environmental Pollution</i> , 2021, 273, 116480.	3.7	38

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37	Effect of Spirulina maxima Supplementation on Calcium, Magnesium, Iron, and Zinc Status in Obese Patients with Treated Hypertension. <i>Biological Trace Element Research</i> , 2016, 173, 1-6.	1.9	36
38	Association between catatonia and levels of hair and serum trace elements and minerals in autism spectrum disorder. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 174-180.	2.5	36
39	Assessment of copper, iron, zinc and manganese status and speciation in patients with Parkinson's disease: A pilot study. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 59, 126423.	1.5	36
40	Manganese-induced neurodegenerative diseases and possible therapeutic approaches. <i>Expert Review of Neurotherapeutics</i> , 2020, 20, 1109-1121.	1.4	35
41	The impact of manganese on neurotransmitter systems. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 61, 126554.	1.5	35
42	Assessment of gender and age effects on serum and hair trace element levels in children with autism spectrum disorder. <i>Metabolic Brain Disease</i> , 2017, 32, 1675-1684.	1.4	34
43	Brain diseases in changing climate. <i>Environmental Research</i> , 2019, 177, 108637.	3.7	33
44	Sex-Specific Differences in Redox Homeostasis in Brain Norm and Disease. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 312-342.	1.1	32
45	Serum zinc, copper, zinc-to-copper ratio, and other essential elements and minerals in children with attention deficit/hyperactivity disorder (ADHD). <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 58, 126445.	1.5	32
46	An updated systematic review on the association between Cd exposure, blood pressure and hypertension. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111636.	2.9	32
47	Gut Microbiota as a Mediator of Essential and Toxic Effects of Zinc in the Intestines and Other Tissues. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13074.	1.8	32
48	Alteration of local adipose tissue trace element homeostasis as a possible mechanism of obesity-related insulin resistance. <i>Medical Hypotheses</i> , 2015, 85, 343-347.	0.8	31
49	Age-related differences in hair trace elements: a cross-sectional study in Orenburg, Russia. <i>Annals of Human Biology</i> , 2016, 43, 438-444.	0.4	31
50	Serum trace elements are associated with hemostasis, lipid spectrum and inflammatory markers in men suffering from acute ischemic stroke. <i>Metabolic Brain Disease</i> , 2017, 32, 779-788.	1.4	31
51	Trace element biomonitoring in hair and blood of occupationally unexposed population residing in polluted areas of East Kazakhstan and Pavlodar regions. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 56, 31-37.	1.5	31
52	Insights into the Potential Role of Mercury in Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 511-533.	1.1	31
53	Copper, Iron, Selenium and Lipo-Glycemic Dysmetabolism in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9461.	1.8	30
54	Adipose tissue chromium and vanadium disbalance in high-fat fed Wistar rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 29, 176-181.	1.5	29

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55	Hair Trace Elements in Overweight and Obese Adults in Association with Metabolic Parameters. <i>Biological Trace Element Research</i> , 2018, 186, 12-20.	1.9	29
56	Serum levels of copper, iron, and manganese in women with pregnancy, miscarriage, and primary infertility. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 56, 124-130.	1.5	29
57	Zinc, copper, and oxysterol levels in patients with type 1 and type 2 diabetes mellitus. <i>Clinical Nutrition</i> , 2020, 39, 1849-1856.	2.3	29
58	The Influence of Physical Activity on Hair Toxic and Essential Trace Element Content in Male and Female Students. <i>Biological Trace Element Research</i> , 2015, 163, 58-66.	1.9	28
59	Adipotropic effects of heavy metals and their potential role in obesity. <i>Faculty Reviews</i> , 2021, 10, 32.	1.7	28
60	The Role of Toxic Metals and Metalloids in Nrf2 Signaling. <i>Antioxidants</i> , 2021, 10, 630.	2.2	28
61	Ferroptosis as a mechanism of non-ferrous metal toxicity. <i>Archives of Toxicology</i> , 2022, 96, 2391-2417.	1.9	28
62	Serum copper, zinc, and iron levels, and markers of carbohydrate metabolism in postmenopausal women with prediabetes and type 2 diabetes mellitus. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 43, 46-51.	1.5	27
63	Chronic exposure to methylmercury induces puncta formation in cephalic dopaminergic neurons in <i>Caenorhabditis elegans</i> . <i>NeuroToxicology</i> , 2020, 77, 105-113.	1.4	25
64	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. <i>Biomolecules</i> , 2021, 11, 689.	1.8	25
65	Sirtuins as molecular targets, mediators, and protective agents in metal-induced toxicity. <i>Archives of Toxicology</i> , 2021, 95, 2263-2278.	1.9	23
66	Environmental and health hazards of military metal pollution. <i>Environmental Research</i> , 2021, 201, 111568.	3.7	23
67	Serum Trace Elements and Electrolytes Are Associated with Fasting Plasma Glucose and HbA1c in Postmenopausal Women with Type 2 Diabetes Mellitus. <i>Biological Trace Element Research</i> , 2017, 177, 25-32.	1.9	22
68	Chronic administration of iron and copper potentiates adipogenic effect of high fat diet in Wistar rats. <i>BioMetals</i> , 2013, 26, 447-463.	1.8	21
69	Trace element levels are associated with neuroinflammatory markers in children with autistic spectrum disorder. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 622-628.	1.5	21
70	Gut Microbiota as a Potential Player in Mn-Induced Neurotoxicity. <i>Biomolecules</i> , 2021, 11, 1292.	1.8	21
71	Serum Trace Element Profiles, Prolactin, and Cortisol in Transient Ischemic Attack Patients. <i>Biological Trace Element Research</i> , 2016, 172, 93-100.	1.9	20
72	Evaluation of tissue metal and trace element content in a rat model of non-alcoholic fatty liver disease using ICP-DRC-MS. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 39, 91-99.	1.5	20

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73	Whole blood and hair trace elements and minerals in children living in metal-polluted area near copper smelter in Karabash, Chelyabinsk region, Russia. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2014-2020.	2.7	20
74	Geographic variation of environmental, food, and human hair selenium content in an industrial region of Russia. <i>Environmental Research</i> , 2019, 171, 293-301.	3.7	19
75	The Aging Kidney As Influenced by Heavy Metal Exposure and Selenium Supplementation. <i>Biomolecules</i> , 2021, 11, 1078.	1.8	19
76	Plantago maxima leaves extract inhibits adipogenic action of a high-fat diet in female Wistar rats. <i>European Journal of Nutrition</i> , 2014, 53, 831-842.	1.8	18
77	The Reference Intervals of Hair Trace Element Content in Hereford Cows and Heifers (<i>Bos taurus</i>). <i>Biological Trace Element Research</i> , 2017, 180, 56-62.	1.9	18
78	Copper and zinc levels in soil, water, wheat, and hair of inhabitants of three areas of the Orenburg region, Russia. <i>Environmental Research</i> , 2018, 166, 158-166.	3.7	18
79	Early High-Fat Feeding Induces Alteration of Trace Element Content in Tissues of Juvenile Male Wistar Rats. <i>Biological Trace Element Research</i> , 2017, 175, 367-374.	1.9	17
80	Combined Lycium barbarum polysaccharides and C-phycoerythrin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats. <i>Nutrition and Metabolism</i> , 2021, 18, 4.	1.3	17
81	Hair trace element concentrations in autism spectrum disorder (ASD) and attention deficit/hyperactivity disorder (ADHD). <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 61, 126539.	1.5	17
82	Mercury and cancer: Where are we now after two decades of research?. <i>Food and Chemical Toxicology</i> , 2022, 164, 113001.	1.8	17
83	The level of toxic and essential trace elements in hair of petrochemical workers involved in different technological processes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5576-5584.	2.7	16
84	Effect of short-term zinc supplementation on zinc and selenium tissue distribution and serum antioxidant enzymes. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2015, 14, 269-276.	0.2	16
85	Zinc, copper, cadmium, and lead levels in cattle tissues in relation to different metal levels in ground water and soil. <i>Environmental Science and Pollution Research</i> , 2019, 26, 559-569.	2.7	15
86	Mercury as a possible link between maternal obesity and autism spectrum disorder. <i>Medical Hypotheses</i> , 2016, 91, 90-94.	0.8	14
87	Synergistic effect of selenium and UV-B radiation in enhancing antioxidant level of wheatgrass grown from selenium rich wheat. <i>Journal of Food Biochemistry</i> , 2018, 42, e12577.	1.2	14
88	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. <i>Nutrition Journal</i> , 2019, 18, 75.	1.5	14
89	Isolevuglandins (isoLGs) as toxic lipid peroxidation byproducts and their pathogenetic role in human diseases. <i>Free Radical Biology and Medicine</i> , 2021, 162, 266-273.	1.3	14
90	In Vitro Bioavailability of Calcium, Magnesium, Iron, Zinc, and Copper from Gluten-Free Breads Supplemented with Natural Additives. <i>Biological Trace Element Research</i> , 2018, 182, 140-146.	1.9	14

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91	Hair Trace Elements are Associated with Increased Thyroid Volume in Schoolchildren with Goiter. <i>Biological Trace Element Research</i> , 2016, 174, 261-266.	1.9	13
92	Serum trace elements are interrelated with hormonal imbalance in men with acute ischemic stroke. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 43, 142-147.	1.5	13
93	Dysregulated Iron Metabolism-Associated Dietary Pattern Predicts an Altered Body Composition and Metabolic Syndrome. <i>Nutrients</i> , 2019, 11, 2733.	1.7	13
94	Endothelial Dysfunction Induced by Cadmium and Mercury and its Relationship to Hypertension. <i>Current Hypertension Reviews</i> , 2021, 17, 14-26.	0.5	13
95	Decreased adipose tissue zinc content is associated with metabolic parameters in high fat fed Wistar rats. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2016, 15, 99-105.	0.2	13
96	Boron – A potential goiterogen?. <i>Medical Hypotheses</i> , 2017, 104, 63-67.	0.8	12
97	Assessment of hair metal levels in aluminium plant workers using scalp hair ICP-DRC-MS analysis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 658-663.	1.5	12
98	ICP-MS Assessment of Hair Essential Trace Elements and Minerals in Russian Preschool and Primary School Children with Attention-Deficit/Hyperactivity Disorder (ADHD). <i>Biological Trace Element Research</i> , 2020, 196, 400-409.	1.9	12
99	Streptozotocin (STZ)-Induced Diabetes Affects Tissue Trace Element Content in Rats in a Dose-Dependent Manner. <i>Biological Trace Element Research</i> , 2020, 198, 567-574.	1.9	12
100	Serum trace element and amino acid profile in children with cerebral palsy. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 64, 126685.	1.5	12
101	Associations of Food and Nutrient Intake with Serum Hepcidin and the Risk of Gestational Iron-Deficiency Anemia among Pregnant Women: A Population-Based Study. <i>Nutrients</i> , 2021, 13, 3501.	1.7	12
102	Association Between Essential and Non-essential Metals, Body Composition, and Metabolic Syndrome in Adults. <i>Biological Trace Element Research</i> , 2022, 200, 4903-4915.	1.9	12
103	Hydrogen Sulfide (H ₂ S) Signaling as a Protective Mechanism against Endogenous and Exogenous Neurotoxicants. <i>Current Neuropharmacology</i> , 2022, 20, 1908-1924.	1.4	12
104	Hair Trace Element and Electrolyte Content in Women with Natural and In Vitro Fertilization-Induced Pregnancy. <i>Biological Trace Element Research</i> , 2018, 181, 1-9.	1.9	11
105	Interactive effects of age and gender on levels of toxic and potentially toxic metals in children hair in different urban environments. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 520-535.	1.8	11
106	Aluminium levels in hair and urine are associated with overweight and obesity in a non-occupationally exposed population. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 56, 139-145.	1.5	11
107	Cobalt in athletes: hypoxia and doping - new crossroads. <i>Journal of Applied Biomedicine</i> , 2019, 17, 28-28.	0.6	11
108	Magnesium Status in Children with Attention-Deficit/Hyperactivity Disorder and/or Autism Spectrum Disorder. <i>Soa'nyeon Jeongsin Yihag</i> , 2020, 31, 41-45.	0.3	11

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109	Ferroptosis contributes to methylmercury-induced cytotoxicity in rat primary astrocytes and Buffalo rat liver cells. <i>NeuroToxicology</i> , 2022, 90, 228-236.	1.4	11
110	Zinc asparaginate supplementation induces redistribution of toxic trace elements in rat tissues and organs. <i>Interdisciplinary Toxicology</i> , 2015, 8, 131-138.	1.0	10
111	Comparative Analysis of the Trace Element Content of the Leaves and Roots of Three <i>Plantago</i> Species. <i>Biological Trace Element Research</i> , 2016, 173, 225-230.	1.9	10
112	The Level of Toxic Elements in Edible Crops from Seleniferous Area (Punjab, India). <i>Biological Trace Element Research</i> , 2018, 184, 523-528.	1.9	10
113	Hair Mineral and Trace Element Content in Children with Downâ€™s Syndrome. <i>Biological Trace Element Research</i> , 2019, 188, 230-238.	1.9	10
114	Organotins in obesity and associated metabolic disturbances. <i>Journal of Inorganic Biochemistry</i> , 2019, 191, 49-59.	1.5	10
115	Effect of Zn Supplementation on Trace Element Status in Rats with Diet-Induced Non-alcoholic Fatty Liver Disease. <i>Biological Trace Element Research</i> , 2020, 197, 202-212.	1.9	10
116	Iron and Advanced Glycation End Products: Emerging Role of Iron in Androgen Deficiency in Obesity. <i>Antioxidants</i> , 2020, 9, 261.	2.2	10
117	Hair Mercury Association with Selenium, Serum Lipid Spectrum, and Gamma-Glutamyl Transferase Activity in Adults. <i>Biological Trace Element Research</i> , 2014, 161, 255-262.	1.9	9
118	Comparative Hair Trace Element Profile in the Population of Sakhalin and Taiwan Pacific Islands. <i>Biological Trace Element Research</i> , 2018, 184, 308-316.	1.9	9
119	The effect of <i>Plantago major</i> supplementation on leptin and VEGF-A serum levels, endothelial dysfunction and angiogenesis in obese women â€” a randomised trial. <i>Food and Function</i> , 2021, 12, 1708-1718.	2.1	9
120	Evaluating the risk of manganese-induced neurotoxicity of parenteral nutrition: review of the current literature. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2021, 17, 581-593.	1.5	9
121	Relationship between gestational diabetes and serum trace element levels in pregnant women from Eastern Iran: a multivariate approach. <i>Environmental Science and Pollution Research</i> , 2021, 28, 45230-45239.	2.7	9
122	Associations between Circulating SELENOP Level and Disorders of Glucose and Lipid Metabolism: A Meta-Analysis. <i>Antioxidants</i> , 2022, 11, 1263.	2.2	9
123	Influence of iron and copper consumption on weight gain and oxidative stress in adipose tissue of Wistar rats. <i>Interdisciplinary Toxicology</i> , 2012, 5, 127-132.	1.0	8
124	Influence of Plantaginaceae species on <i>E. coli</i> K12 growth <i>in vitro</i> : Possible relation to phytochemical properties. <i>Pharmaceutical Biology</i> , 2015, 53, 715-724.	1.3	8
125	Selenium Antagonism with Mercury and Arsenic: From Chemistry to Population Health and Demography. , 2016, , 401-412.		8
126	Mucociliary transport as a link between chronic rhinosinusitis and trace element dysbalance. <i>Medical Hypotheses</i> , 2019, 127, 5-10.	0.8	8

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127	Soluble CD163-Associated Dietary Patterns and the Risk of Metabolic Syndrome. <i>Nutrients</i> , 2019, 11, 940.	1.7	8
128	Hair Trace Element Levels in Han and Indigenous Hualien Inhabitants in Taiwan. <i>Biological Trace Element Research</i> , 2019, 191, 1-9.	1.9	8
129	Arsenic, cadmium, mercury, and lead levels in hair and urine in first-year RUDN University students of different geographic origins. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34348-34356.	2.7	8
130	Alterations in serum amino acid profiles in children with attention deficit/hyperactivity disorder. <i>Biomedical Reports</i> , 2021, 14, 47.	0.9	8
131	BXD Recombinant Inbred Mice as a Model to Study Neurotoxicity. <i>Biomolecules</i> , 2021, 11, 1762.	1.8	8
132	Smoking is associated with altered serum and hair essential metal and metalloid levels in women. <i>Food and Chemical Toxicology</i> , 2022, 167, 113249.	1.8	8
133	ICP-DRC-MS analysis of serum essential and toxic element levels in postmenopausal prediabetic women in relation to glycemic control markers. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 430-434.	1.5	7
134	Selenium-rich maize modulates the expression of prostaglandin genes in lipopolysaccharide-stimulated RAW264.7 macrophages. <i>Food and Function</i> , 2019, 10, 2839-2846.	2.1	7
135	Serum amino acid spectrum in children with autism spectrum disorder (ASD). <i>Research in Autism Spectrum Disorders</i> , 2020, 77, 101605.	0.8	7
136	The effect of alcohol consumption on maternal and cord blood electrolyte and trace element levels. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2016, 15, 439-445.	0.2	7
137	Integrating genome-wide association study summaries and element-gene interaction datasets identified multiple associations between elements and complex diseases. <i>Genetic Epidemiology</i> , 2018, 42, 168-173.	0.6	6
138	Cobalt accumulation and iron-regulatory protein profile expression in immature mouse brain after perinatal exposure to cobalt chloride. <i>Chemico-Biological Interactions</i> , 2020, 329, 109217.	1.7	6
139	Chronic exposure to methylmercury enhances the anorexigenic effects of leptin in C57BL/6J male mice. <i>Food and Chemical Toxicology</i> , 2021, 147, 111924.	1.8	6
140	Hair Lead, Aluminum, and Other Toxic Metals in Normal-Weight and Obese Patients with Coronary Heart Disease. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8195.	1.2	6
141	Blood Essential Trace Elements and Vitamins in Students with Different Physical Activity. <i>Pakistan Journal of Nutrition</i> , 2015, 14, 721-726.	0.2	6
142	Developmental exposure to methylmercury and ADHD, a literature review of epigenetic studies. <i>Environmental Epigenetics</i> , 2021, 7, dvab014.	0.9	6
143	Selenium in Ischemic Stroke. <i>Molecular and Integrative Toxicology</i> , 2018, , 211-230.	0.5	5
144	Toxicological and nutritional status of trace elements in hair of women with in vitro fertilization (IVF) pregnancy and their 9-month-old children. <i>Reproductive Toxicology</i> , 2018, 82, 50-56.	1.3	5

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145	The Impact of Maternal Overweight on Hair Essential Trace Element and Mineral Content in Pregnant Women and Their Children. <i>Biological Trace Element Research</i> , 2020, 193, 64-72.	1.9	5
146	The Role of Human LRRK2 in Methylmercury-Induced Inhibition of Microvesicle Formation of Cephalic Neurons in <i>Caenorhabditis elegans</i> . <i>Neurotoxicity Research</i> , 2020, 38, 751-764.	1.3	5
147	URB597 Prevents the Short-Term Excitotoxic Cell Damage in Rat Cortical Slices: Role of Cannabinoid 1 Receptors. <i>Neurotoxicity Research</i> , 2021, 39, 146-155.	1.3	5
148	Speciation of Serum Copper and Zinc-Binding High- and Low-Molecular Mass Ligands in Dairy Cows Using HPLC-ICP-MS Technique. <i>Biological Trace Element Research</i> , 2022, 200, 591-599.	1.9	5
149	The Role of Human LRRK2 in Acute Methylmercury Toxicity in <i>Caenorhabditis elegans</i> . <i>Neurochemical Research</i> , 2021, 46, 2991-3002.	1.6	5
150	High-dose ferric citrate supplementation attenuates omega-3 polyunsaturated fatty acid biosynthesis <i>via</i> downregulating delta 5 and 6 desaturases in rats with high-fat diet-induced obesity. <i>Food and Function</i> , 2021, 12, 11819-11828.	2.1	5
151	Comparative analysis and the coverage intervals of hair rare metal content in two Russian industrial centres. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 520-533.	1.8	4
152	Selenium and Other Elements in Wheat (<i>Triticum aestivum</i>) and Wheat Bread from a Seleniferous Area. <i>Biological Trace Element Research</i> , 2019, 192, 10-17.	1.9	4
153	The Impact of Perinatal Cobalt Chloride Exposure on Extramedullary Erythropoiesis, Tissue Iron Levels, and Transferrin Receptor Expression in Mice. <i>Biological Trace Element Research</i> , 2020, 194, 423-431.	1.9	4
154	Relationship Between Elevated Hair Mercury Levels, Essential Element Status, and Metabolic Profile in Overweight and Obese Adults. <i>Biological Trace Element Research</i> , 2020, 199, 2874-2881.	1.9	4
155	Chronic exposure to methylmercury disrupts ghrelin actions in C57BL/6J mice. <i>Food and Chemical Toxicology</i> , 2021, 147, 111918.	1.8	4
156	Alteration of iron (Fe), copper (Cu), zinc (Zn), and manganese (Mn) tissue levels and speciation in rats with desferioxamine-induced iron deficiency. <i>BioMetals</i> , 2021, 34, 923-936.	1.8	4
157	Serum and Hair Trace Element and Mineral Levels in Dairy Cows in Relation to Daily Milk Yield. <i>Biological Trace Element Research</i> , 2022, 200, 2709-2715.	1.9	4
158	On the Biomedical Properties of Endocannabinoid Degradation and Reuptake Inhibitors: Pre-clinical and Clinical Evidence. <i>Neurotoxicity Research</i> , 2021, 39, 2072-2097.	1.3	4
159	Leveraging artificial intelligence to advance the understanding of chemical neurotoxicity. <i>NeuroToxicology</i> , 2022, 89, 9-11.	1.4	4
160	Perinatal low-dose iron treatment influences susceptibility to diet-induced adipogenesis in early-aged male Wistar rats. <i>BioMetals</i> , 2014, 27, 293-303.	1.8	3
161	Zinc supplementation modifies trace element status in exercised rats. <i>Journal of Applied Biomedicine</i> , 2017, 15, 39-47.	0.6	3
162	Selenium and Autism Spectrum Disorder. <i>Molecular and Integrative Toxicology</i> , 2018, , 193-210.	0.5	3

#	ARTICLE	IF	CITATIONS
163	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. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 55, 196-203.	1.5	3
164	Alterations in Blood Metabolic Parameters of Immature Mice After Subchronic Exposure to Cobalt Chloride. <i>Biological Trace Element Research</i> , 2021, 199, 588-593.	1.9	3
165	Profiling of selenium and other trace elements in breads from rice and maize cultivated in a seleniferous area of Punjab (India). <i>Journal of Food Science and Technology</i> , 2021, 58, 825-833.	1.4	3
166	Meteorological parameters and cases of COVID-19 in Brazilian cities: an observational study. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2022, 85, 14-28.	1.1	3
167	Effect of high fat diet on macroelement content in hair and adipose tissue of Wistar rats. <i>Trace Elements and Electrolytes</i> , 2014, 31, 156-159.	0.1	3
168	Association between semen quality and level of 20 essential and toxic metals in ejaculate. <i>Trace Elements and Electrolytes</i> , 2015, 32, 126-132.	0.1	3
169	A Case-Control Study of Essential and Toxic Trace Elements and Minerals in Hair of 4-Year-Old Children with Cerebral Palsy. <i>Biological Trace Element Research</i> , 2020, 195, 399-408.	1.9	2
170	A Search for Similar Patterns in Hair Trace Element and Mineral Content in Children with Down Syndrome, Obesity, and Growth Delay. <i>Biological Trace Element Research</i> , 2020, 196, 607-617.	1.9	2
171	Perinatal and early-life cobalt exposure impairs essential metal metabolism in immature ICR mice. <i>Food and Chemical Toxicology</i> , 2021, 149, 111973.	1.8	2
172	Adherence to COVID-19 nutritional guidelines and their impact on the clinical outcomes of hospitalized COVID-19 patients. <i>Clinical Nutrition ESPEN</i> , 2021, 46, 491-498.	0.5	2
173	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. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 68, 126812.	1.5	2
174	Ultratrace element contents in rat tissues: Comparative analysis of serum and hair as indicative matrices of the total body burden. <i>Archives of Biological Sciences</i> , 2016, 68, 623-632.	0.2	2
175	Hair trace elements in women with alcohol abuse and their offspring. <i>Trace Elements and Electrolytes</i> , 2016, 33, 144-147.	0.1	2
176	Hair ultra-trace elements in relation to age and body mass index in adult women. <i>Journal of Elementology</i> , 2015, , .	0.0	2
177	The impact of lifestyle factors on age-related differences in hair trace element content in pregnant women in the third trimester [pdf]. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2018, 17, 83-89.	0.2	2
178	Systemic Essential Metal and Metalloid Levels in Patients with Benign Breast Disease and Breast Cancer. <i>Biological Trace Element Research</i> , 2022, , 1.	1.9	2
179	Chrelin attenuates methylmercury-induced oxidative stress in neuronal cells. <i>Molecular Neurobiology</i> , 2022, 59, 2098-2115.	1.9	2
180	Iron overload and neurodegenerative diseases: What can we learn from <i>Caenorhabditis elegans</i> ?. <i>Toxicology Research and Application</i> , 2022, 6, 239784732210918.	0.7	2

#	ARTICLE	IF	CITATIONS
181	The Human LRRK2 Modulates the Age-Dependent Effects of Developmental Methylmercury Exposure in <i>Caenorhabditis elegans</i> . <i>Neurotoxicity Research</i> , 0, , .	1.3	2
182	The nonlinear dependence between administered pro-oxidant doses and intensity of free-radical processes observed in rats. <i>Journal of Applied Biomedicine</i> , 2011, 9, 219-224.	0.6	1
183	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, 26â€“29 June, 2017. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 461-464.	1.5	1
184	Generating Bacterial Foods in Toxicology Studies with <i>Caenorhabditis elegans</i> . <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2020, 84, e94.	1.1	1
185	Serum, Whole Blood, Hair, and Mucosal Essential Trace Element and Mineral Levels in Children with Verified Chronic Rhinosinusitis Undergoing Functional Endoscopic Sinus Surgery. <i>Biological Trace Element Research</i> , 2021, 199, 2112-2120.	1.9	1
186	The effect of the Ti (IV)-citrate complex on staphylococcus aureus growth and biofilm formation. <i>Archives of Biological Sciences</i> , 2015, 67, 981-992.	0.2	1
187	Serum electrolytes are associated with markers of neural damage in transient ischemic attack and ischemic stroke patients. <i>Trace Elements and Electrolytes</i> , 2016, , .	0.1	1
188	The impact of lifestyle factors on age-related differences in hair trace element content in pregnant women in the third trimester. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2018, 17, 83-89.	0.2	1
189	The influence of fortified food products on dietary iron, iodine, and zinc content in Tajik schoolchildren. <i>Gigiena I Sanitariia</i> , 2020, 99, 975-979.	0.1	1
190	Correlation of Serum Selenium in Asthma Patients with Severity of the Disorder. <i>Biological Trace Element Research</i> , 2022, 200, 4949-4954.	1.9	1
191	Amyloid Beta Peptide-Mediated Alterations in Mitochondrial Dynamics and its Implications for Alzheimerâ€™s Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2023, 22, 1039-1056.	0.8	1
192	Serum lipoprotein profile and oxidative stress biomarkers in Wistar rats fed drinking water containing iron and copper. <i>Biologia (Poland)</i> , 2013, 68, 738-742.	0.8	0
193	Comparative Analysis on the Effect of <i>Plantago</i> Species Aqueous Extracts on Tissue Trace Element Content in Rats. <i>Biological Trace Element Research</i> , 2017, 179, 79-90.	1.9	0
194	Influence of Physical Activity on the Regulation of Iron Metabolism. <i>Human Physiology</i> , 2018, 44, 592-599.	0.1	0
195	Gender-specific differences in hair rare trace element content in children with Downâ€™s syndrome. <i>Trace Elements and Electrolytes</i> , 2018, 35, 232-234.	0.1	0
196	Hair toxic metal and metalloid levels in children with chronic sinusitis. <i>Journal of Elementology</i> , 2019, , .	0.0	0
197	Specific patterns of hair content of toxic metal in foreign students of the peoplesâ€™ friendship university of Russia (RUDN university). <i>Gigiena I Sanitariia</i> , 2020, 99, 733-737.	0.1	0
198	Correction of Selenium status as a tool for preventive medicine. <i>Zdravookhranenie Rossiiskoi Federatsii / Ministerstvo Zdravookhraneniia RSFSR</i> , 2021, 65, 447-453.	0.1	0

#	ARTICLE	IF	CITATIONS
199	Concentration of essential chemical elements in whole blood and in paranasal sinuses mucosa is related to chronic rhinosinusitis severity in children. Science and Innovations in Medicine, 2021, 6, 9-13.	0.2	0