

# Anatoly V Skalny

## List of Publications by Year in descending order

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Version: 2024-02-01

195  
papers

5,103  
citations

109321

35  
h-index

133252

59  
g-index

199  
all docs

199  
docs citations

199  
times ranked

5769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc and respiratory tract infections: Perspectives for COVID-19 (Review). International Journal of Molecular Medicine, 2020, 46, 17-26.	4.0	312
2	The role of cadmium in obesity and diabetes. Science of the Total Environment, 2017, 601-602, 741-755.	8.0	191
3	Early Nutritional Interventions with Zinc, Selenium and Vitamin D for Raising Anti-Viral Resistance Against Progressive COVID-19. Nutrients, 2020, 12, 2358.	4.1	178
4	Sulfhydryl groups as targets of mercury toxicity. Coordination Chemistry Reviews, 2020, 417, 213343.	18.8	168
5	Cadmium and atherosclerosis: A review of toxicological mechanisms and a meta-analysis of epidemiologic studies. Environmental Research, 2018, 162, 240-260.	7.5	159
6	Oxidative Stress in Autism Spectrum Disorder. Molecular Neurobiology, 2020, 57, 2314-2332.	4.0	159
7	Gut as a target for cadmium toxicity. Environmental Pollution, 2018, 235, 429-434.	7.5	156
8	Molecular interaction between mercury and selenium in neurotoxicity. Coordination Chemistry Reviews, 2017, 332, 30-37.	18.8	108
9	The plausibility of maternal nutritional status being a contributing factor to the risk for fetal alcohol spectrum disorders: The potential influence of zinc status as an example. BioFactors, 2010, 36, 125-135.	5.4	96
10	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.	3.0	87
11	Mercury and metabolic syndrome: a review of experimental and clinical observations. BioMetals, 2015, 28, 231-254.	4.1	84
12	The role of glutathione redox imbalance in autism spectrum disorder: A review. Free Radical Biology and Medicine, 2020, 160, 149-162.	2.9	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. Nutrients, 2020, 12, 3103.	4.1	80
14	Toxic metal(loid)-based pollutants and their possible role in autism spectrum disorder. Environmental Research, 2018, 166, 234-250.	7.5	77
15	Molecular Targets of Manganese-Induced Neurotoxicity: A Five-Year Update. International Journal of Molecular Sciences, 2021, 22, 4646.	4.1	68
16	Selenium and Selenoproteins in Adipose Tissue Physiology and Obesity. Biomolecules, 2020, 10, 658.	4.0	67
17	Oxidative Stress in Methylmercury-Induced Cell Toxicity. Toxics, 2018, 6, 47.	3.7	66
18	Manganese in the Diet: Bioaccessibility, Adequate Intake, and Neurotoxicological Effects. Journal of Agricultural and Food Chemistry, 2020, 68, 12893-12903.	5.2	65

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19	Hair toxic and essential trace elements in children with autism spectrum disorder. <i>Metabolic Brain Disease</i> , 2017, 32, 195-202.	2.9	64
20	Relationship between selenium, lead, and mercury in red blood cells of Saudi autistic children. <i>Metabolic Brain Disease</i> , 2017, 32, 1073-1080.	2.9	63
21	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.	5.4	63
22	Serum Zinc, Copper, and Other Biometals Are Associated with COVID-19 Severity Markers. <i>Metabolites</i> , 2021, 11, 244.	2.9	60
23	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.	3.6	59
24	Reference values of hair toxic trace elements content in occupationally non-exposed Russian population. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 18-21.	4.0	56
25	Mutual interaction between iron homeostasis and obesity pathogenesis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 30, 207-214.	3.0	53
26	Evaluation of whole blood zinc and copper levels in children with autism spectrum disorder. <i>Metabolic Brain Disease</i> , 2016, 31, 887-890.	2.9	52
27	Lead (Pb) exposure induces dopaminergic neurotoxicity in <i>Caenorhabditis elegans</i> : Involvement of the dopamine transporter. <i>Toxicology Reports</i> , 2019, 6, 833-840.	3.3	46
28	Chelator combination as therapeutic strategy in mercury and lead poisonings. <i>Coordination Chemistry Reviews</i> , 2018, 358, 1-12.	18.8	45
29	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.	3.5	44
30	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.	3.5	44
31	Zinc. <i>Advances in Food and Nutrition Research</i> , 2021, 96, 251-310.	3.0	43
32	Hair concentration of essential trace elements in adult non-exposed Russian population. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 677.	2.7	42
33	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.	3.0	42
34	Molecular mechanisms of aluminum neurotoxicity: Update on adverse effects and therapeutic strategies. <i>Advances in Neurotoxicology</i> , 2021, 5, 1-34.	1.9	40
35	Analysis of Hair Trace Elements in Children with Autism Spectrum Disorders and Communication Disorders. <i>Biological Trace Element Research</i> , 2017, 177, 215-223.	3.5	39
36	Zinc deficiency as a mediator of toxic effects of alcohol abuse. <i>European Journal of Nutrition</i> , 2018, 57, 2313-2322.	3.9	39

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37	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.	5.6	36
38	Post-translational modifications in MeHg-induced neurotoxicity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2068-2081.	3.8	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.	3.0	36
40	The impact of manganese on neurotransmitter systems. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 61, 126554.	3.0	35
41	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.	2.9	34
42	Brain diseases in changing climate. <i>Environmental Research</i> , 2019, 177, 108637.	7.5	33
43	Sex-Specific Differences in Redox Homeostasis in Brain Norm and Disease. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 312-342.	2.3	32
44	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.	3.0	32
45	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.	4.1	32
46	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.	1.5	31
47	Age-related differences in hair trace elements: a cross-sectional study in Orenburg, Russia. <i>Annals of Human Biology</i> , 2016, 43, 438-444.	1.0	31
48	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.	2.9	31
49	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.	3.0	31
50	Insights into the Potential Role of Mercury in Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 511-533.	2.3	31
51	Indicator ability of biosubstances in monitoring the moderate occupational exposure to toxic metals. <i>Journal of Trace Elements in Medicine and Biology</i> , 2011, 25, S41-S44.	3.0	30
52	Copper, Iron, Selenium and Lipo-Glycemic Dysmetabolism in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9461.	4.1	30
53	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.	3.0	29
54	Hair Trace Elements in Overweight and Obese Adults in Association with Metabolic Parameters. <i>Biological Trace Element Research</i> , 2018, 186, 12-20.	3.5	29

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55	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.	3.0	29
56	Zinc, copper, and oxysterol levels in patients with type 1 and type 2 diabetes mellitus. <i>Clinical Nutrition</i> , 2020, 39, 1849-1856.	5.0	29
57	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.	3.5	28
58	Adipotropic effects of heavy metals and their potential role in obesity. <i>Faculty Reviews</i> , 2021, 10, 32.	3.9	28
59	Ferroptosis as a mechanism of non-ferrous metal toxicity. <i>Archives of Toxicology</i> , 2022, 96, 2391-2417.	4.2	28
60	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.	3.0	27
61	Chronic exposure to methylmercury induces puncta formation in cephalic dopaminergic neurons in <i>Caenorhabditis elegans</i> . <i>NeuroToxicology</i> , 2020, 77, 105-113.	3.0	25
62	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.	4.0	25
63	ElectroSens Platform with a Polyelectrolyte-Based Carbon Fiber Sensor for Point-of-Care Analysis of Zn in Blood and Urine. <i>ACS Omega</i> , 2020, 5, 18987-18994.	3.5	24
64	Sirtuins as molecular targets, mediators, and protective agents in metal-induced toxicity. <i>Archives of Toxicology</i> , 2021, 95, 2263-2278.	4.2	23
65	Environmental and health hazards of military metal pollution. <i>Environmental Research</i> , 2021, 201, 111568.	7.5	23
66	Comparative angioprotective effects of magnesium compounds. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 29, 227-234.	3.0	22
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.	3.5	22
68	Protective effect of magnesium acetyltaurate against NMDA-induced retinal damage involves restoration of minerals and trace elements homeostasis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 39, 147-154.	3.0	22
69	An essay on human and elements, multielement profiles, and depression. <i>Translational Neuroscience</i> , 2010, 1, 322-334.	1.4	21
70	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.	3.0	21
71	Gut Microbiota as a Potential Player in Mn-Induced Neurotoxicity. <i>Biomolecules</i> , 2021, 11, 1292.	4.0	21
72	Serum Trace Element Profiles, Prolactin, and Cortisol in Transient Ischemic Attack Patients. <i>Biological Trace Element Research</i> , 2016, 172, 93-100.	3.5	20

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73	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.	3.0	20
74	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.	5.3	20
75	Geographic variation of environmental, food, and human hair selenium content in an industrial region of Russia. <i>Environmental Research</i> , 2019, 171, 293-301.	7.5	19
76	The Aging Kidney As Influenced by Heavy Metal Exposure and Selenium Supplementation. <i>Biomolecules</i> , 2021, 11, 1078.	4.0	19
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.	3.5	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.	7.5	18
79	Bioelementology as an interdisciplinary integrative approach in life sciences: Terminology, classification, perspectives. <i>Journal of Trace Elements in Medicine and Biology</i> , 2011, 25, S3-S10.	3.0	17
80	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.	3.5	17
81	Combined Lycium barbarum polysaccharides and C-phycocyanin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats. <i>Nutrition and Metabolism</i> , 2021, 18, 4.	3.0	17
82	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.	3.0	17
83	Mercury and cancer: Where are we now after two decades of research?. <i>Food and Chemical Toxicology</i> , 2022, 164, 113001.	3.6	17
84	Copper Nanoparticles as Modulators of Apoptosis and Structural Changes in Tissues. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012, 03, 97-104.	0.5	16
85	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.	5.3	16
86	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.	0.3	16
87	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.	5.3	15
88	Mercury as a possible link between maternal obesity and autism spectrum disorder. <i>Medical Hypotheses</i> , 2016, 91, 90-94.	1.5	14
89	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.	2.9	14
90	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.	3.4	14

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91	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.	2.9	14
92	Hair Trace Elements are Associated with Increased Thyroid Volume in Schoolchildren with Goiter. <i>Biological Trace Element Research</i> , 2016, 174, 261-266.	3.5	13
93	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.	3.0	13
94	Dysregulated Iron Metabolism-Associated Dietary Pattern Predicts an Altered Body Composition and Metabolic Syndrome. <i>Nutrients</i> , 2019, 11, 2733.	4.1	13
95	Endothelial Dysfunction Induced by Cadmium and Mercury and its Relationship to Hypertension. <i>Current Hypertension Reviews</i> , 2021, 17, 14-26.	0.9	13
96	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.	0.3	13
97	Combined use of laser correlation spectroscopy and ICP-AES, ICP-MS determination of macro- and trace elements in human biosubstrates for intoxication risk assessment. <i>Trace Elements and Electrolytes</i> , 2011, 28, 124-127.	0.1	12
98	Boron – A potential goiterogen?. <i>Medical Hypotheses</i> , 2017, 104, 63-67.	1.5	12
99	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.	3.0	12
100	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.	3.5	12
101	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.	3.5	12
102	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.	3.0	12
103	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.	4.1	12
104	Association Between Essential and Non-essential Metals, Body Composition, and Metabolic Syndrome in Adults. <i>Biological Trace Element Research</i> , 2022, 200, 4903-4915.	3.5	12
105	Hydrogen Sulfide (H <sub>2</sub> S) Signaling as a Protective Mechanism against Endogenous and Exogenous Neurotoxicants. <i>Current Neuropharmacology</i> , 2022, 20, 1908-1924.	2.9	12
106	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.	3.5	11
107	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.	3.3	11
108	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.	3.0	11



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109	Cobalt in athletes: hypoxia and doping - new crossroads. <i>Journal of Applied Biomedicine</i> , 2019, 17, 28-28.	1.7	11
110	Magnesium Status in Children with Attention-Deficit/Hyperactivity Disorder and/or Autism Spectrum Disorder. <i>SoaÅ;Œceongso'nyeon Jeongsin Yihag</i> , 2020, 31, 41-45.	0.5	11
111	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
112	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.	3.5	10
113	MÃssbauer spectroscopic study of transformations of iron species by the cyanobacterium <i>Arthrospira platensis</i> (formerly <i>Spirulina platensis</i> ). <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 48, 105-110.	3.0	10
114	In search of decoding the syntax of the bioelements in human hair â€“ A critical overview. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 543-553.	3.0	10
115	The Level of Toxic Elements in Edible Crops from Seleniferous Area (Punjab, India). <i>Biological Trace Element Research</i> , 2018, 184, 523-528.	3.5	10
116	Hair Mineral and Trace Element Content in Children with Downâ€™s Syndrome. <i>Biological Trace Element Research</i> , 2019, 188, 230-238.	3.5	10
117	Organotins in obesity and associated metabolic disturbances. <i>Journal of Inorganic Biochemistry</i> , 2019, 191, 49-59.	3.5	10
118	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.	3.5	10
119	Iron and Advanced Glycation End Products: Emerging Role of Iron in Androgen Deficiency in Obesity. <i>Antioxidants</i> , 2020, 9, 261.	5.1	10
120	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.	3.5	9
121	Low magnesium diet alters distribution of macroelements and trace elements in tissues and organs of female rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 39, 36-42.	3.0	9
122	Comparative Hair Trace Element Profile in the Population of Sakhalin and Taiwan Pacific Islands. <i>Biological Trace Element Research</i> , 2018, 184, 308-316.	3.5	9
123	Assessment of Gender Effects and Reference Values of Mane Hair Trace Element Content in English Thoroughbred Horses (North Caucasus, Russia) Using ICP-DRC-MS. <i>Biological Trace Element Research</i> , 2019, 191, 382-388.	3.5	9
124	N,Nâ€™ bis-(2-mercaptoethyl) isophthalamide induces developmental delay in <i>Caenorhabditis elegans</i> by promoting DAF-16 nuclear localization. <i>Toxicology Reports</i> , 2020, 7, 930-937.	3.3	9
125	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.	3.3	9
126	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.	5.3	9



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127	Bioelement effects on thyroid gland in children living in iodine-adequate territory. Journal of Trace Elements in Medicine and Biology, 2007, 21, 56-58.	3.0	8
128	Selenium Antagonism with Mercury and Arsenic: From Chemistry to Population Health and Demography. , 2016, , 401-412.		8
129	Effects of Imbalance in Trace Element on Thyroid Gland from Moroccan Children. Biological Trace Element Research, 2016, 170, 288-293.	3.5	8
130	Mucociliary transport as a link between chronic rhinosinusitis and trace element dysbalance. Medical Hypotheses, 2019, 127, 5-10.	1.5	8
131	Soluble CD163-Associated Dietary Patterns and the Risk of Metabolic Syndrome. Nutrients, 2019, 11, 940.	4.1	8
132	Hair Trace Element Levels in Han and Indigenous Hualien Inhabitants in Taiwan. Biological Trace Element Research, 2019, 191, 1-9.	3.5	8
133	The spectrum of pathogenic variants of the ATP7B gene in Wilson disease in the Russian Federation. Journal of Trace Elements in Medicine and Biology, 2020, 59, 126420.	3.0	8
134	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.	5.3	8
135	Alterations in serum amino acid profiles in children with attention deficit/hyperactivity disorder. Biomedical Reports, 2021, 14, 47.	2.0	8
136	BXD Recombinant Inbred Mice as a Model to Study Neurotoxicity. Biomolecules, 2021, 11, 1762.	4.0	8
137	Smoking is associated with altered serum and hair essential metal and metalloid levels in women. Food and Chemical Toxicology, 2022, 167, 113249.	3.6	8
138	Influence of Cu10x copper nanoparticles intramuscular injection on mineral composition of rat spleen. Journal of Trace Elements in Medicine and Biology, 2011, 25, S84-S89.	3.0	7
139	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.	3.0	7
140	Selenium-rich maize modulates the expression of prostaglandin genes in lipopolysaccharide-stimulated RAW264.7 macrophages. Food and Function, 2019, 10, 2839-2846.	4.6	7
141	Serum amino acid spectrum in children with autism spectrum disorder (ASD). Research in Autism Spectrum Disorders, 2020, 77, 101605.	1.5	7
142	The effect of alcohol consumption on maternal and cord blood electrolyte and trace element levels. Acta Scientiarum Polonorum, Technologia Alimentaria, 2016, 15, 439-445.	0.3	7
143	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.	1.3	6
144	Cobalt accumulation and iron-regulatory protein profile expression in immature mouse brain after perinatal exposure to cobalt chloride. Chemico-Biological Interactions, 2020, 329, 109217.	4.0	6

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145	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.	2.6	6
146	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
147	Sex dependent peculiarities of some important chemical element ratios in hair of schoolchildren. <i>Trace Elements and Electrolytes</i> , 2011, 28, 88-90.	0.1	5
148	Environmental human silver exposure. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 1238-1246.	1.2	5
149	Selenium in Ischemic Stroke. <i>Molecular and Integrative Toxicology</i> , 2018, , 211-230.	0.5	5
150	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.	2.9	5
151	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.	3.5	5
152	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.	3.5	5
153	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.	4.6	5
154	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.	3.3	4
155	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.	3.5	4
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