

Anatoly V Skalny

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

2,849
citations

27
h-index

45
g-index

199
ext. papers

3,944
ext. citations

4.3
avg, IF

5.61
L-index

#	Paper	IF	Citations
180	Correlation of Serum Selenium in Asthma Patients with Severity of the Disorder.. <i>Biological Trace Element Research</i> , 2022 , 1	4.5	
179	Systemic Essential Metal and Metalloid Levels in Patients with Benign Breast Disease and Breast Cancer.. <i>Biological Trace Element Research</i> , 2022 , 1	4.5	1
178	Association Between Essential and Non-essential Metals, Body Composition, and Metabolic Syndrome in Adults.. <i>Biological Trace Element Research</i> , 2022 , 1	4.5	0
177	Ghrelin attenuates methylmercury-induced oxidative stress in neuronal cells.. <i>Molecular Neurobiology</i> , 2022 , 1	6.2	1
176	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	3.2	
175	Mercury and cancer: Where are we now after two decades of research?. <i>Food and Chemical Toxicology</i> , 2022 , 113001	4.7	2
174	Correction of Selenium status as a tool for preventive medicine. <i>Zdravookhranenie Rossiiskoi Federatsii / Ministerstvo Zdravookhraneniia RSFSR</i> , 2021 , 65, 447-453	0.3	
173	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. <i>Food and Function</i> , 2021 , 12, 11819-11828	6.1	0
172	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,	6.7	2
171	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	4.5	22
170	Relationship Between Elevated Hair Mercury Levels, Essential Element Status, and Metabolic Profile in Overweight and Obese Adults. <i>Biological Trace Element Research</i> , 2021 , 199, 2874-2881	4.5	2
169	Perinatal and early-life cobalt exposure impairs essential metal metabolism in immature ICR mice. <i>Food and Chemical Toxicology</i> , 2021 , 149, 111973	4.7	0
168	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	5.5	2
167	Adipotropic effects of heavy metals and their potential role in obesity. <i>Faculty Reviews</i> , 2021 , 10, 32	1.2	11
166	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	5.1	3
165	Molecular Targets of Manganese-Induced Neurotoxicity: A Five-Year Update. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	10
164	Serum Zinc, Copper, and Other Biometals Are Associated with COVID-19 Severity Markers. <i>Metabolites</i> , 2021 , 11,	5.6	17

163	Sirtuins as molecular targets, mediators, and protective agents in metal-induced toxicity. <i>Archives of Toxicology</i> , 2021 , 95, 2263-2278	5.8	6
162	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,	5.9	4
161	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	3.4	1
160	Endothelial Dysfunction Induced by Cadmium and Mercury and its Relationship to Hypertension. <i>Current Hypertension Reviews</i> , 2021 , 17, 14-26	2.3	5
159	Alterations in Blood Metabolic Parameters of Immature Mice After Subchronic Exposure to Cobalt Chloride. <i>Biological Trace Element Research</i> , 2021 , 199, 588-593	4.5	3
158	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	3.3	0
157	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	4.5	
156	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	4.1	4
155	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	7.8	4
154	Molecular mechanisms of aluminum neurotoxicity: Update on adverse effects and therapeutic strategies. <i>Advances in Neurotoxicology</i> , 2021 , 5, 1-34	1.6	11
153	Zinc. <i>Advances in Food and Nutrition Research</i> , 2021 , 96, 251-310	6	7
152	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	4.6	4
151	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> , 2021 , 1	4.5	0
150	Alterations in serum amino acid profiles in children with attention deficit/hyperactivity disorder. <i>Biomedical Reports</i> , 2021 , 14, 47	1.8	3
149	The Aging Kidney-As Influenced by Heavy Metal Exposure and Selenium Supplementation. <i>Biomolecules</i> , 2021 , 11,	5.9	2
148	Copper, Iron, Selenium and Lipo-Glycemic Dysmetabolism in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
147	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,	4.6	2
146	Gut Microbiota as a Potential Player in Mn-Induced Neurotoxicity. <i>Biomolecules</i> , 2021 , 11,	5.9	3

145	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	1.3	0
144	Serum and Hair Trace Element and Mineral Levels in Dairy Cows in Relation to Daily Milk Yield. <i>Biological Trace Element Research</i> , 2021 , 1	4.5	0
143	Environmental and health hazards of military metal pollution. <i>Environmental Research</i> , 2021 , 201, 111568-9	5	5
142	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	4.1	1
141	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,	6.3	1
140	Sulfhydryl groups as targets of mercury toxicity. <i>Coordination Chemistry Reviews</i> , 2020 , 417, 213343-213343	55	55
139	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	5.1	0
138	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	4.5	7
137	Serum amino acid spectrum in children with autism spectrum disorder (ASD). <i>Research in Autism Spectrum Disorders</i> , 2020 , 77, 101605	3	3
136	Chronic exposure to methylmercury induces puncta formation in cephalic dopaminergic neurons in <i>Caenorhabditis elegans</i> . <i>NeuroToxicology</i> , 2020 , 77, 105-113	4.4	15
135	Oxidative Stress in Autism Spectrum Disorder. <i>Molecular Neurobiology</i> , 2020 , 57, 2314-2332	6.2	76
134	Selenium and Selenoproteins in Adipose Tissue Physiology and Obesity. <i>Biomolecules</i> , 2020 , 10,	5.9	32
133	Iron and Advanced Glycation End Products: Emerging Role of Iron in Androgen Deficiency in Obesity. <i>Antioxidants</i> , 2020 , 9,	7.1	4
132	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	0.4	1
131	Zinc and respiratory tract infections: Perspectives for COVID-19 (Review). <i>International Journal of Molecular Medicine</i> , 2020 , 46, 17-26	4.4	219
130	Magnesium Status in Children with Attention-Deficit/Hyperactivity Disorder and/or Autism Spectrum Disorder. <i>Soyeongjeong Jeongsin Yihag</i> , 2020 , 31, 41-45	1.2	5
129	Specific patterns of hair content of toxic metal in foreign students of the peoples' Friendship university of Russia (RUDN university). <i>Gigiena I Sanitariia</i> , 2020 , 99, 733-737	0.4	
128	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	4.1	9

127	The impact of manganese on neurotransmitter systems. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 61, 126554	4.1	16
126	A Search for Similar Patterns in Hair Trace Element and Mineral Content in Children with Down's Syndrome, Obesity, and Growth Delay. <i>Biological Trace Element Research</i> , 2020 , 196, 607-617	4.5	0
125	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	4.5	10
124	The spectrum of pathogenic variants of the ATP7B gene in Wilson disease in the Russian Federation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 59, 126420	4.1	5
123	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	4.1	19
122	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	4.1	15
121	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	4.5	5
120	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,	6.7	41
119	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	4.7	25
118	N,N' bis-(2-mercaptoethyl) isophthalamide induces developmental delay in by promoting DAF-16 nuclear localization. <i>Toxicology Reports</i> , 2020 , 7, 930-937	4.8	4
117	Early Nutritional Interventions with Zinc, Selenium and Vitamin D for Raising Anti-Viral Resistance Against Progressive COVID-19. <i>Nutrients</i> , 2020 , 12,	6.7	79
116	The role of glutathione redox imbalance in autism spectrum disorder: A review. <i>Free Radical Biology and Medicine</i> , 2020 , 160, 149-162	7.8	31
115	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	3.9	9
114	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	5	2
113	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	4.5	4
112	Zinc, copper, and oxysterol levels in patients with type 1 and type 2 diabetes mellitus. <i>Clinical Nutrition</i> , 2020 , 39, 1849-1856	5.9	10
111	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	4.5	2
110	A Case-Control Study of Essential and Toxic Trace Elements and Minerals in Hair of 0-4-Year-Old Children with Cerebral Palsy. <i>Biological Trace Element Research</i> , 2020 , 195, 399-408	4.5	1

109	Manganese in the Diet: Bioaccessibility, Adequate Intake, and Neurotoxicological Effects. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 12893-12903	5.7	22
108	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	4.1	10
107	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	4.1	4
106	Geographic variation of environmental, food, and human hair selenium content in an industrial region of Russia. <i>Environmental Research</i> , 2019 , 171, 293-301	7.9	11
105	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	4.5	2
104	Mucociliary transport as a link between chronic rhinosinusitis and trace element dysbalance. <i>Medical Hypotheses</i> , 2019 , 127, 5-10	3.8	6
103	Selenium-rich maize modulates the expression of prostaglandin genes in lipopolysaccharide-stimulated RAW264.7 macrophages. <i>Food and Function</i> , 2019 , 10, 2839-2846	6.1	5
102	Insights into the Potential Role of Mercury in Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2019 , 67, 511-533	3.3	21
101	Lead (Pb) exposure induces dopaminergic neurotoxicity in : Involvement of the dopamine transporter. <i>Toxicology Reports</i> , 2019 , 6, 833-840	4.8	28
100	Brain diseases in changing climate. <i>Environmental Research</i> , 2019 , 177, 108637	7.9	16
99	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	4.1	2
98	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	4.1	13
97	Dysregulated Iron Metabolism-Associated Dietary Pattern Predicts an Altered Body Composition and Metabolic Syndrome. <i>Nutrients</i> , 2019 , 11,	6.7	4
96	Cobalt in athletes: hypoxia and doping - new crossroads.. <i>Journal of Applied Biomedicine</i> , 2019 , 17, 28	0.6	5
95	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	4.3	2
94	Hair Mineral and Trace Element Content in Children with Down's Syndrome. <i>Biological Trace Element Research</i> , 2019 , 188, 230-238	4.5	6
93	Sex-Specific Differences in Redox Homeostasis in Brain Norm and Disease. <i>Journal of Molecular Neuroscience</i> , 2019 , 67, 312-342	3.3	15
92	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	7.5	19

91	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	5.1	6
90	Organotins in obesity and associated metabolic disturbances. <i>Journal of Inorganic Biochemistry</i> , 2019 , 191, 49-59	4.2	6
89	Hair Trace Element Levels in Han and Indigenous Hualien Inhabitants in Taiwan. <i>Biological Trace Element Research</i> , 2019 , 191, 1-9	4.5	2
88	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	4.5	5
87	Post-translational modifications in MeHg-induced neurotoxicity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2068-2081	6.9	19
86	Hair Trace Elements in Overweight and Obese Adults in Association with Metabolic Parameters. <i>Biological Trace Element Research</i> , 2018 , 186, 12-20	4.5	21
85	Mössbauer 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	4.1	5
84	Cadmium and atherosclerosis: A review of toxicological mechanisms and a meta-analysis of epidemiologic studies. <i>Environmental Research</i> , 2018 , 162, 240-260	7.9	83
83	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. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018 , 50, 461-464	4.1	1
82	Chelator combination as therapeutic strategy in mercury and lead poisonings. <i>Coordination Chemistry Reviews</i> , 2018 , 358, 1-12	23.2	33
81	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	2.6	5
80	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	10.3	43
79	Gut as a target for cadmium toxicity. <i>Environmental Pollution</i> , 2018 , 235, 429-434	9.3	84
78	In search of decoding the syntax of the bioelements in human hair - A critical overview. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018 , 50, 543-553	4.1	5
77	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	4.1	15
76	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	5.1	14
75	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	4.5	5
74	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	4.1	4

73	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	3.3	6
72	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	4.1	9
71	Oxidative Stress in Methylmercury-Induced Cell Toxicity. <i>Toxics</i> , 2018 , 6,	4.7	49
70	Toxic metal(loid)-based pollutants and their possible role in autism spectrum disorder. <i>Environmental Research</i> , 2018 , 166, 234-250	7.9	50
69	Zinc deficiency as a mediator of toxic effects of alcohol abuse. <i>European Journal of Nutrition</i> , 2018 , 57, 2313-2322	5.2	24
68	The Level of Toxic Elements in Edible Crops from Seleniferous Area (Punjab, India). <i>Biological Trace Element Research</i> , 2018 , 184, 523-528	4.5	7
67	Comparative Hair Trace Element Profile in the Population of Sakhalin and Taiwan Pacific Islands. <i>Biological Trace Element Research</i> , 2018 , 184, 308-316	4.5	5
66	Selenium in Ischemic Stroke. <i>Molecular and Integrative Toxicology</i> , 2018 , 211-230	0.5	5
65	Selenium and Autism Spectrum Disorder. <i>Molecular and Integrative Toxicology</i> , 2018 , 193-210	0.5	3
64	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	3.4	2
63	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	7.9	10
62	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	9
61	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	4.5	12
60	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	5.1	13
59	Comparative Analysis on the Effect of Plantago Species Aqueous Extracts on Tissue Trace Element Content in Rats. <i>Biological Trace Element Research</i> , 2017 , 179, 79-90	4.5	
58	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	4.1	13
57	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	3.9	19
56	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	4.1	59

55	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	3
54	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	4.5	14
53	Boron - A potential goiterogen?. <i>Medical Hypotheses</i> , 2017 , 104, 63-67	3.8	10
52	The role of cadmium in obesity and diabetes. <i>Science of the Total Environment</i> , 2017 , 601-602, 741-755	10.2	145
51	Relationship between selenium, lead, and mercury in red blood cells of Saudi autistic children. <i>Metabolic Brain Disease</i> , 2017 , 32, 1073-1080	3.9	44
50	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	3.9	22
49	Serum Trace Elements and Electrolytes Are Associated with Fasting Plasma Glucose and HbA in Postmenopausal Women with Type 2 Diabetes Mellitus. <i>Biological Trace Element Research</i> , 2017 , 177, 25-32	4.5	14
48	Analysis of Hair Trace Elements in Children with Autism Spectrum Disorders and Communication Disorders. <i>Biological Trace Element Research</i> , 2017 , 177, 215-223	4.5	26
47	Molecular interaction between mercury and selenium in neurotoxicity. <i>Coordination Chemistry Reviews</i> , 2017 , 332, 30-37	23.2	78
46	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	4.1	14
45	Hair toxic and essential trace elements in children with autism spectrum disorder. <i>Metabolic Brain Disease</i> , 2017 , 32, 195-202	3.9	46
44	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	4.1	17
43	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	4.1	32
42	Zinc supplementation modifies trace element status in exercised rats. <i>Journal of Applied Biomedicine</i> , 2017 , 15, 39-47	0.6	2
41	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	4.1	6
40	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	4.1	18
39	Effects of Imbalance in Trace Element on Thyroid Gland from Moroccan Children. <i>Biological Trace Element Research</i> , 2016 , 170, 288-93	4.5	5
38	Serum Trace Element Profiles, Prolactin, and Cortisol in Transient Ischemic Attack Patients. <i>Biological Trace Element Research</i> , 2016 , 172, 93-100	4.5	14

37	Comparative Analysis of the Trace Element Content of the Leaves and Roots of Three Plantago Species. <i>Biological Trace Element Research</i> , 2016 , 173, 225-30	4.5	8
36	Age-related differences in hair trace elements: a cross-sectional study in Orenburg, Russia. <i>Annals of Human Biology</i> , 2016 , 43, 438-44	1.7	26
35	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	1	13
34	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	1	4
33	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	0.7	2
32	Hair trace elements in women with alcohol abuse and their offspring. <i>Trace Elements and Electrolytes</i> , 2016 , 33, 144-147	1.8	2
31	Evaluation of whole blood zinc and copper levels in children with autism spectrum disorder. <i>Metabolic Brain Disease</i> , 2016 , 31, 887-90	3.9	37
30	Mercury as a possible link between maternal obesity and autism spectrum disorder. <i>Medical Hypotheses</i> , 2016 , 91, 90-94	3.8	11
29	Hair Trace Elements are Associated with Increased Thyroid Volume in Schoolchildren with Goiter. <i>Biological Trace Element Research</i> , 2016 , 174, 261-266	4.5	8
28	Selenium Antagonism with Mercury and Arsenic: From Chemistry to Population Health and Demography 2016 , 401-412		7
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