

Margarita G Skalnaya

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,531
citations

186265

28
h-index

223800

46
g-index

85
all docs

85
docs citations

85
times ranked

3033
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of cadmium in obesity and diabetes. <i>Science of the Total Environment</i> , 2017, 601-602, 741-755.	8.0	191
2	Sulfhydryl groups as targets of mercury toxicity. <i>Coordination Chemistry Reviews</i> , 2020, 417, 213343.	18.8	168
3	Cadmium and atherosclerosis: A review of toxicological mechanisms and a meta-analysis of epidemiologic studies. <i>Environmental Research</i> , 2018, 162, 240-260.	7.5	159
4	Gut as a target for cadmium toxicity. <i>Environmental Pollution</i> , 2018, 235, 429-434.	7.5	156
5	Molecular interaction between mercury and selenium in neurotoxicity. <i>Coordination Chemistry Reviews</i> , 2017, 332, 30-37.	18.8	108
6	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.	3.0	87
7	Mercury and metabolic syndrome: a review of experimental and clinical observations. <i>BioMetals</i> , 2015, 28, 231-254.	4.1	84
8	Toxic metal(loid)-based pollutants and their possible role in autism spectrum disorder. <i>Environmental Research</i> , 2018, 166, 234-250.	7.5	77
9	Selenium and Selenoproteins in Adipose Tissue Physiology and Obesity. <i>Biomolecules</i> , 2020, 10, 658.	4.0	67
10	Hair toxic and essential trace elements in children with autism spectrum disorder. <i>Metabolic Brain Disease</i> , 2017, 32, 195-202.	2.9	64
11	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
12	Hair trace element contents in women with obesity and type 2 diabetes. <i>Journal of Trace Elements in Medicine and Biology</i> , 2007, 21, 59-61.	3.0	57
13	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
14	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
15	Chelator combination as therapeutic strategy in mercury and lead poisonings. <i>Coordination Chemistry Reviews</i> , 2018, 358, 1-12.	18.8	45
16	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
17	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
18	Hair concentration of essential trace elements in adult non-exposed Russian population. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 677.	2.7	42

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19	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
20	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
21	Zinc deficiency as a mediator of toxic effects of alcohol abuse. <i>European Journal of Nutrition</i> , 2018, 57, 2313-2322.	3.9	39
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Insights into the Potential Role of Mercury in Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 511-533.	2.3	31
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	Mercury as a possible link between maternal obesity and autism spectrum disorder. <i>Medical Hypotheses</i> , 2016, 91, 90-94.	1.5	14
44	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
45	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
46	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
47	Boron – A potential goiterogen?. <i>Medical Hypotheses</i> , 2017, 104, 63-67.	1.5	12
48	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
49	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
50	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
51	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
52	Magnesium Status in Children with Attention-Deficit/Hyperactivity Disorder and/or Autism Spectrum Disorder. <i>SoaĀj\$ceongso'nyeon Jeongsin Yihag</i> , 2020, 31, 41-45.	0.5	11
53	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
54	Hair Mineral and Trace Element Content in Children with DownĀ™s Syndrome. <i>Biological Trace Element Research</i> , 2019, 188, 230-238.	3.5	10

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55	Organotins in obesity and associated metabolic disturbances. <i>Journal of Inorganic Biochemistry</i> , 2019, 191, 49-59.	3.5	10
56	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
57	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
58	Selenium Antagonism with Mercury and Arsenic: From Chemistry to Population Health and Demography. , 2016, , 401-412.		8
59	Mucociliary transport as a link between chronic rhinosinusitis and trace element dysbalance. <i>Medical Hypotheses</i> , 2019, 127, 5-10.	1.5	8
60	Hair Trace Element Levels in Han and Indigenous Hualien Inhabitants in Taiwan. <i>Biological Trace Element Research</i> , 2019, 191, 1-9.	3.5	8
61	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.	3.0	7
62	Selenium-rich maize modulates the expression of prostaglandin genes in lipopolysaccharide-stimulated RAW264.7 macrophages. <i>Food and Function</i> , 2019, 10, 2839-2846.	4.6	7
63	Serum amino acid spectrum in children with autism spectrum disorder (ASD). <i>Research in Autism Spectrum Disorders</i> , 2020, 77, 101605.	1.5	7
64	Selenium in Ischemic Stroke. <i>Molecular and Integrative Toxicology</i> , 2018, , 211-230.	0.5	5
65	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
66	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
67	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
68	Copper Deficiency a New Reason of Androgenetic Alopecia?. , 0, , .		4
69	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
70	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
71	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.	3.5	4
72	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.	4.1	4

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73	Comparative effects of meso-2,3-dimercaptosuccinic acid, monensin and salinomycin on the concentrations of cadmium and some essential elements in skeletal muscles of Cd-exposed mice. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 596-600.	3.0	3
74	Selenium and Autism Spectrum Disorder. <i>Molecular and Integrative Toxicology</i> , 2018, , 193-210.	0.5	3
75	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.	3.0	3
76	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.	2.8	3
77	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
78	A Search for Similar Patterns in Hair Trace Element and Mineral Content in Children with Downâ€™s Syndrome, Obesity, and Growth Delay. <i>Biological Trace Element Research</i> , 2020, 196, 607-617.	3.5	2
79	Hair ultra-trace elements in relation to age and body mass index in adult women. <i>Journal of Elementology</i> , 2015, , .	0.2	2
80	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
81	V. Congress of the Russian Society for Trace Elements in Medicine (RUSTEM). <i>Trace Elements and Electrolytes</i> , 2018, 35, 249-254.	0.1	1
82	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