Svetlana Sushkova

List of Publications by Year
in descending order

163	3,474	218592	197736
papers	citations	26 h-index	49 g-index

188	188	188	2248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Developments in Enzymatic Antioxidant Defence Mechanism in Plants with Special Reference to Abiotic Stress. Biology, 2021, 10, 267.	1.3	228
2	ZnO and CuO nanoparticles: a threat to soil organisms, plants, and human health. Environmental Geochemistry and Health, 2020, 42, 147-158.	1.8	186
3	Effects of zinc-oxide nanoparticles on soil, plants, animals and soil organisms: A review. Environmental Nanotechnology, Monitoring and Management, 2018, 9, 76-84.	1.7	178
4	Effect of nanoparticles on crops and soil microbial communities. Journal of Soils and Sediments, 2018, 18, 2179-2187.	1.5	142
5	Toxicity of copper oxide nanoparticles on spring barley (Hordeum sativum distichum). Science of the Total Environment, 2018, 645, 1103-1113.	3.9	129
6	Accumulation of nanoparticles in the soil-plant systems and their effects on human health. Annals of Agricultural Sciences, 2020, 65, 137-143.	1.1	129
7	The mechanisms of biochar interactions with microorganisms in soil. Environmental Geochemistry and Health, 2020, 42, 2495-2518.	1.8	125
8	Coping with the Challenges of Abiotic Stress in Plants: New Dimensions in the Field Application of Nanoparticles. Plants, 2021, 10, 1221.	1.6	112
9	Effects of Silicon and Silicon-Based Nanoparticles on Rhizosphere Microbiome, Plant Stress and Growth. Biology, 2021, 10, 791.	1.3	92
10	Nano-Enabled Products: Challenges and Opportunities for Sustainable Agriculture. Plants, 2021, 10, 2727.	1.6	62
11	Effects of Zinc Oxide Nanoparticles on Physiological and Anatomical Indices in Spring Barley Tissues. Nanomaterials, 2021, 11, 1722.	1.9	58
12	Modulation of Cellular Redox Status and Antioxidant Defense System after Synergistic Application of Zinc Oxide Nanoparticles and Salicylic Acid in Rice (Oryza sativa) Plant under Arsenic Stress. Plants, 2021, 10, 2254.	1.6	53
13	Assessing the effect of heavy metals from the Novocherkassk power station emissions on the biological activity of soils in the adjacent areas. Journal of Geochemical Exploration, 2017, 174, 70-78.	1.5	50
14	Environmental pollution of soil with PAHs in energy producing plants zone. Science of the Total Environment, 2019, 655, 232-241.	3.9	50
15	Nanotechnology in the Restoration of Polluted Soil. Nanomaterials, 2022, 12, 769.	1.9	49
16	Method of determining loosely bound compounds of heavy metals in the soil. MethodsX, 2018, 5, 217-226.	0.7	48
17	Anatomical and ultrastructural responses of Hordeum sativum to the soil spiked by copper. Environmental Geochemistry and Health, 2020, 42, 45-58.	1.8	41
18	Sustainable Approach and Safe Use of Biochar and Its Possible Consequences. Sustainability, 2021, 13, 10362.	1.6	39

#	Article	IF	Citations
19	Chemical Soil-Biological Engineering Theoretical Foundations, Technical Means, and Technology for Safe Intrasoil Waste Recycling and Long-Term Higher Soil Productivity. ACS Omega, 2020, 5, 17553-17564.	1.6	38
20	Effect of Foliar Fertigation of Chitosan Nanoparticles on Cadmium Accumulation and Toxicity in Solanum lycopersicum. Biology, 2021, 10, 666.	1.3	38
21	Effect of nanomaterials on remediation of polycyclic aromatic hydrocarbons-contaminated soils: A review. Journal of Environmental Management, 2021, 284, 112023.	3.8	35
22	Interaction of Copper-Based Nanoparticles to Soil, Terrestrial, and Aquatic Systems: Critical Review of the State of the Science and Future Perspectives. Reviews of Environmental Contamination and Toxicology, 2019, 252, 51-96.	0.7	33
23	Urban soil geochemistry of an intensively developing Siberian city: A case study of Tyumen, Russia. Journal of Environmental Management, 2019, 239, 366-375.	3.8	33
24	Environmental and human health risk assessment of potentially toxic elements in soils around the largest coal-fired power station in Southern Russia. Environmental Geochemistry and Health, 2021, 43, 2285-2300.	1.8	33
25	Phylogenetic analysis of hyperaccumulator plant species for heavy metals and polycyclic aromatic hydrocarbons. Environmental Geochemistry and Health, 2021, 43, 1629-1654.	1.8	32
26	Influence of PAH contamination on soil ecological status. Journal of Soils and Sediments, 2018, 18, 2368-2378.	1.5	31
27	Surfactant pollution, an emerging threat to ecosystem: Approaches for effective bacterial degradation. Journal of Applied Microbiology, 2022, 133, 1229-1244.	1.4	31
28	Comparative hydrochemical assessment of groundwater quality from different aquifers for irrigation purposes using IWQI: A case-study from Masis province in Armenia. Groundwater for Sustainable Development, 2020, 11, 100459.	2.3	30
29	Pollution status and human health risk assessment of potentially toxic elements and polycyclic aromatic hydrocarbons in urban street dust of Tyumen city, Russia. Environmental Geochemistry and Health, 2022, 44, 409-432.	1.8	29
30	Benzo[a]pyrene degradation and bioaccumulation in soil-plant system under artificial contamination. Science of the Total Environment, 2018, 633, 1386-1391.	3.9	28
31	Levels, sources, and toxicity assessment of polycyclic aromatic hydrocarbons in urban topsoils of an intensively developing Western Siberian city. Environmental Geochemistry and Health, 2020, 42, 325-341.	1.8	27
32	The toxic effect of CuO of different dispersion degrees on the structure and ultrastructure of spring barley cells (Hordeum sativum distichum). Environmental Geochemistry and Health, 2021, 43, 1673-1687.	1.8	27
33	New alternative method of benzo[a]pyrene extractionfrom soils and its approbation in soil under technogenic pressure. Journal of Soils and Sediments, 2016, 16, 1323-1329.	1.5	26
34	Effect of the particle-size distribution on the adsorption of copper, lead, and zinc by Chernozemic soils of Rostov oblast. Eurasian Soil Science, 2011, 44, 1193-1200.	0.5	25
35	Microplastic Pollution: An Emerging Threat to Terrestrial Plants and Insights into Its Remediation Strategies. Plants, 2022, 11, 340.	1.6	25
36	The identification of phytoextraction potential of Melilotus officinalis and Amaranthus retroflexus growing on copper- and molybdenum-polluted soils. Environmental Geochemistry and Health, 2021, 43, 1327-1335.	1.8	24

#	Article	IF	Citations
37	A review on salinity adaptation mechanism and characteristics of Populus euphratica, a boon for arid ecosystems. Acta Ecologica Sinica, 2016, 36, 497-503.	0.9	23
38	Dynamics of benzo[Î±]pyrene accumulation in soils under the influence of aerotechnogenic emissions. Eurasian Soil Science, 2017, 50, 95-105.	0.5	23
39	Monitoring of benzo[a]pyrene content in soils under the effect of long-term technogenic poluttion. Journal of Geochemical Exploration, 2017, 174, 100-106.	1.5	23
40	New method for benzo[a]pyrene analysis in plant material using subcritical water extraction. Journal of Geochemical Exploration, 2014, 144, 267-272.	1.5	22
41	Polycyclic aromatic hydrocarbons, antibiotic resistance genes, toxicity in the exposed to anthropogenic pressure soils of the Southern Russia. Environmental Research, 2021, 194, 110715.	3.7	22
42	Influence of Silver Nanoparticles on the Biological Indicators of Haplic Chernozem. Plants, 2021, 10, 1022.	1.6	21
43	Ion association in water solution of soil and vadose zone of chestnut saline solonetz as a driver of terrestrial carbon sink. Solid Earth, 2016, 7, 415-423.	1.2	20
44	The effect of technogenic emissions on the heavy metals accumulation by herbaceous plants. Environmental Monitoring and Assessment, 2018, 190, 124.	1.3	20
45	Method for hydrophytic plant sample preparation for light and electron microscopy (studies on) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	20
46	Polycyclic Aromatic Hydrocarbons in Urban Soils Within the Different Land Use: A Case Study of Tyumen, Russia. Polycyclic Aromatic Compounds, 2020, 40, 1251-1265.	1.4	20
47	Nanobionics in Crop Production: An Emerging Approach to Modulate Plant Functionalities. Plants, 2022, 11, 692.	1.6	20
48	A Review on Coagulation/Flocculation in Dewatering of Coal Slurry. Water (Switzerland), 2022, 14, 918.	1.2	20
49	Effects of benzo[a]pyrene toxicity on morphology and ultrastructure of Hordeum sativum. Environmental Geochemistry and Health, 2021, 43, 1551-1562.	1.8	19
50	Transformation of copper oxide and copper oxide nanoparticles in the soil and their accumulation by Hordeum sativum. Environmental Geochemistry and Health, 2021, 43, 1655-1672.	1.8	19
51	The Effect of Granular Activated Carbon and Biochar on the Availability of Cu and Zn to Hordeum sativum Distichum in Contaminated Soil. Plants, 2021, 10, 841.	1.6	19
52	Green synthesis of reduced graphene oxide-CoFe2O4 nanocomposite as a highly efficient visible-light-driven catalyst in photocatalysis and photo Fenton-like reaction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 270, 115223.	1.7	19
53	Study of copper, lead, and zinc speciation in the Haplic Chernozem surrounding coal-fired power plant. Applied Geochemistry, 2019, 104, 102-108.	1.4	18
54	Impact of soil organic matter on calcium carbonate equilibrium and forms of Pb in water extracts from Kastanozem complex. Journal of Soils and Sediments, 2019, 19, 2717-2728.	1.5	18

#	Article	IF	Citations
55	Bioindication of soil pollution in the delta of the Don River and the coast of the Taganrog Bay with heavy metals based on anatomical, morphological and biogeochemical studies of macrophyte (Typha) Tj ETQq1 1 0.784314 rgBT /Over	1.8	18
56	The role of soil's particle-size fractions in the adsorption of heavy metals. Eurasian Journal of Soil Science, 2014, 3, 197.	0.2	18
57	Thermodynamic mathematical model of the Kastanozem complex and new principles of sustainable semiarid protective silviculture management. Environmental Research, 2021, 194, 110605.	3.7	17
58	Pollution impact on microbial communities composition in natural and anthropogenically modified soils of Southern Russia. Microbiological Research, 2022, 254, 126913.	2.5	17
59	EXTRACTION OF QUERCETIN FROM <i>POLYGONUM HYDROPIPER</i> L. BY SUBCRITICAL WATER. American Journal of Agricultural and Biological Science, 2014, 9, 1-5.	0.9	16
60	Geochemical transformation of soil cover and vegetation in a drained floodplain lake affected by long-term discharge of effluents from rayon industry plants, lower Don River Basin, Southern Russia. Environmental Geochemistry and Health, 2022, 44, 349-368.	1.8	16
61	Soil PAHs contamination effect on the cellular and subcellular organelle changes of Phragmites australis Cav.. Environmental Geochemistry and Health, 2021, 43, 2407-2421.	1.8	16
62	PAHs accumulation in soil-plant system of Phragmites australis Cav. in soil under long-term chemical contamination. Eurasian Journal of Soil Science, 2020, 9, 242-253.	0.2	16
63	Toxicity assessment of metal oxide nanoparticles on terrestrial plants. Comprehensive Analytical Chemistry, 2019, , 189-207.	0.7	15
64	Copper phytoextraction and phytostabilization potential of wild plant species growing in the mine polluted areas of Armenia. Geochemistry: Exploration, Environment, Analysis, 2019, 19, 155-163.	0.5	15
65	The influence of application of biochar and metal-tolerant bacteria in polluted soil on morpho-physiological and anatomical parameters of spring barley. Environmental Geochemistry and Health, 2021, 43, 1477-1489.	1.8	15
66	Metal-Based Green Synthesized Nanoparticles: Boon for Sustainable Agriculture and Food Security. IEEE Transactions on Nanobioscience, 2022, 21, 44-54.	2.2	15
67	The effect of combined pollution by PAHs and heavy metals on the topsoil microbial communities of Spolic Technosols of the lake Atamanskoe, Southern Russia. Environmental Geochemistry and Health, 2022, 44, 1299-1315.	1.8	15
68	Realizing United Nations Sustainable Development Goals for Greener Remediation of Heavy Metals-Contaminated Soils by Biochar: Emerging Trends and Future Directions. Sustainability, 2021, 13, 13825.	1.6	15
69	Ecological evaluation of polymetallic soil quality: the applicability of culture-dependent methods of bacterial communities studying. Journal of Soils and Sediments, 2019, 19, 3127-3138.	1.5	14
70	Metal(loid) nanosorbents in restoration of polluted soils: geochemical, ecotoxicological, and remediation perspectives. Environmental Geochemistry and Health, 2022, 44, 235-246.	1.8	14
71	ACCUMULATION AND DISTRIBUTION OF HEAVY METALS IN PLANTS WITHIN THE TECHNOGENESIS ZONE. Environmental Engineering and Management Journal, 2014, 13, 1307-1315.	0.2	14
72	THE GROUP COMPOSITION OF METAL COMPOUNDS IN SOIL AS AN INDEX OF SOIL ECOLOGICAL STATE. American Journal of Agricultural and Biological Science, 2014, 9, 19-24.	0.9	13

#	Article	IF	Citations
73	Plant contamination by heavy metals in the impact zone of Novocherkassk Power Station in the south of Russia. Journal of Soils and Sediments, 2016, 16, 1383-1391.	1.5	13
74	Changes of soil hydraulic properties during the decomposition of organic waste in a coarse textured soil. Journal of Geochemical Exploration, 2017, 174, 66-69.	1.5	13
75	Phytoaccumulation of Benzo[a]pyrene by the Barley in Artificially Contaminated Soil. Polycyclic Aromatic Compounds, 2019, 39, 395-403.	1.4	13
76	Accumulation and transformation of benzo[a]pyrene in Haplic Chernozem under artificial contamination. Environmental Geochemistry and Health, 2020, 42, 2485-2494.	1.8	13
77	Impact of humic acid on degradation of benzo(a)pyrene polluted Haplic Chernozem triggered by modified Fenton-like process. Environmental Research, 2020, 190, 109948.	3.7	13
78	Impact of Metal-Based Nanoparticles on Cambisol Microbial Functionality, Enzyme Activity, and Plant Growth. Plants, 2021, 10, 2080.	1.6	13
79	Effect of an attendant anion on the balance of cations in the soil-solution system with an ordinary chernozem as an example. Eurasian Soil Science, 2014, 47, 772-780.	0.5	12
80	Ions association in soil solution as the cause of lead mobility and availability after application of phosphogypsum to chernozem. Journal of Geochemical Exploration, 2017, 182, 185-192.	1.5	12
81	Accumulation of Heavy Metals by Forb Steppe Vegetation According to Long-Term Monitoring Data. Arid Ecosystems, 2018, 8, 190-202.	0.2	12
82	Assessing the toxicity and accumulation of bulk- and nano-CuO in Hordeum sativum L. Environmental Geochemistry and Health, 2021, 43, 2443-2454.	1.8	12
83	TRANSFORMATION OF TECHNOGENIC Cu AND Zn COMPOUNDS IN CHERNOZEM. Environmental Engineering and Management Journal, 2015, 14, 481-486.	0.2	12
84	A review on nanobioremediation approaches for restoration of contaminated soil. Eurasian Journal of Soil Science, 2022, 11, 43-60.	0.2	12
85	Sorption of Cu by chernozems in southern Russia. Journal of Geochemical Exploration, 2017, 174, 107-112.	1.5	11
86	Content and distribution of heavy metals in herbaceous plants under the effect of industrial aerosol emissions. Journal of Geochemical Exploration, 2017, 174, 113-120.	1.5	11
87	Chemical contamination in upper horizon of Haplic Chernozem as a transformation factor of its physicochemical properties. Journal of Soils and Sediments, 2018, 18, 2418-2430.	1.5	11
88	Impact of nanoparticles on soil resource. , 2021, , 65-85.		11
89	Biochar-assisted Fenton-like oxidation of benzo[a]pyrene-contaminated soil. Environmental Geochemistry and Health, 2022, 44, 195-206.	1.8	11
90	Structural and Ultrastructural Changes in Nanoparticle Exposed Plants. , 2019, , 281-295.		11

#	Article	IF	Citations
91	Decrypting the synergistic action of the Fenton process and biochar addition for sustainable remediation of real technogenic soil from PAHs and heavy metals. Environmental Pollution, 2022, 303, 119096.	3.7	11
92	Adsorption of copper by ordinary and southern chernozems from solutions of different salts. Journal of Geochemical Exploration, 2017, 176, 108-113.	1.5	10
93	Physiological and hydrological changes in Populus euphratica seedlings under salinity stress. Acta Ecologica Sinica, 2017, 37, 229-235.	0.9	10
94	Sustainability of agricultural and wild cereals to aerotechnogenic exposure. Environmental Geochemistry and Health, 2021, 43, 1427-1439.	1.8	10
95	Approbation of express-method for benzo[a]pyrene extraction from soils in the technogenic emission zone territories. Eurasian Journal of Soil Science, 2015, 4, 15.	0.2	10
96	Protective mechanism of the soilâ€“plant system with respect to heavy metals. Journal of Soils and Sediments, 2017, 17, 1291-1300.	1.5	9
97	Features of accumulation, migration, and transformation of benzo[a]pyrene in soil-plant system in a model condition of soil contamination. Journal of Soils and Sediments, 2018, 18, 2361-2367.	1.5	9
98	Insights into the Biosynthesis of Nanoparticles by the Genus Shewanella. Applied and Environmental Microbiology, 2021, 87, e0139021.	1.4	9
99	Isolation and Identification of Bacterial Strains from Decomposing Hazelnut Husk. Compost Science and Utilization, 2015, 23, 174-184.	1.2	8
100	Assessing the impact of azadirachtin application to soil on ureaseactivity and its kinetic parameters. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2015, 39, 976-983.	0.8	7
101	Comparing two methods of sequential fractionation in the study of copper compounds in Haplic chernozem under model experimental conditions. Journal of Soils and Sediments, 2018, 18, 2379-2386.	1.5	7
102	Sorption of benzo[a]pyrene by Chernozem and carbonaceous sorbents: comparison of kinetics and interaction mechanisms. Environmental Geochemistry and Health, 2022, 44, 133-148.	1.8	7
103	Intra-Soil Milling for Stable Evolution and High Productivity of Kastanozem Soil. Processes, 2021, 9, 1302.	1.3	7
104	Influence of Vermicompost Application on the Growth of Vinca rosea valiant, Pelargonium peltatum L. and Pegasus patio rose. Horticulturae, 2022, 8, 534.	1.2	7
105	?HEMICAL EQUILIBRIUM OF SOIL SOLUTION IN STEPPE ZONE SOIL. American Journal of Agricultural and Biological Science, 2014, 9, 420-429.	0.9	6
106	Influence of boron fertilization on productivity of grape plants. BIO Web of Conferences, 2016, 7, 01030.	0.1	6
107	Influence of carbon-containing and mineral sorbents on the toxicity of soil contaminated with benzo[a]pyrene during phytotesting. Environmental Geochemistry and Health, 2022, 44, 179-193.	1.8	6
108	Intra-soil waste recycling provides safety of environment. Environmental Geochemistry and Health, 2022, 44, 1355-1376.	1.8	6

#	Article	IF	Citations
109	Implications of Soil Potentially Toxic Elements Contamination, Distribution and Health Risk at Hunanâ€™s Xikuangshan Mine. Processes, 2021, 9, 1532.	1.3	6
110	Heavy metal compounds in a soil of technogenic zone as indicate of its ecological state. Eurasian Journal of Soil Science, 2014, 3, 144.	0.2	6
111	Toxic Effects of Thallium on Biological Indicators of Haplic Chernozem Health: A Case Study. Environments - MDPI, 2021, 8, 119.	1.5	6
112	Current State of Haplic Chernozems in Specially Protected Natural Areas of the Steppe Zone. OnLine Journal of Biological Sciences, 2017, 17, 363-371.	0.2	5
113	PAHs distribution and cultivable PAHs degradersâ€™ biodiversity in soils and surface sediments of the impact zone of theÂNovocherkassk thermal electric power plant (Russia). Environmental Earth Sciences, 2019, 78, 1.	1.3	5
114	Subcritical water extraction of organic acids from chicken manure. Journal of the Science of Food and Agriculture, 2021, 101, 1523-1529.	1.7	5
115	Assessment of ecotoxicity of the bismuth by biological indicators of soil condition. Eurasian Journal of Soil Science, 2021, 10, 236-242.	0.2	5
116	Engineered Bioremediation of NAPL Polluted Sites: Experimental and Simulation-Optimization Approach under Heterogeneous Moisture and Temperature Conditions. Journal of Environmental Engineering, ASCE, 2021, 147, .	0.7	5
117	Evaluating the effect of historical development on urban soils using microartifacts and geochemical indices. Environmental Geochemistry and Health, 2023, 45, 121-136.	1.8	5
118	Chemical partitioning of Zn in soil: application of two sequential extraction procedures. Geochemistry: Exploration, Environment, Analysis, 2019, 19, 93-100.	0.5	5
119	Benzo[a]pyrene contamination in Rostov Region of Russian Federation: A 10-year retrospective of soil monitoring under the effect of long-term technogenic pollution. Eurasian Journal of Soil Science, 2016, 5, 155.	0.2	5
120	Solubility of Benzo[a]pyrene and Organic Matter of Soil in Subcritical Water. Croatica Chemica Acta, 2015, 88, 247-253.	0.1	5
121	Assessment of extraction methods for studying the fractional composition of Cu and Zn in uncontaminated and contaminated soils. Eurasian Journal of Soil Science, 2020, 9, 231-241.	0.2	5
122	Features of Microelement Composition of Ordinary Chernozems of the Azov and Lower Don Regions. American Journal of Agricultural and Biological Science, 2015, 10, 111-115.	0.9	4
123	Effect of aerotechnogenic emissions on the content of heavy metals in herbaceous plants of the Lower Don region. Eurasian Soil Science, 2017, 50, 746-755.	0.5	4
124	Exchangeable form of potentially toxic elements in floodplain soils along the river-marine systems of Southern Russia. Eurasian Journal of Soil Science, 2021, 10, 132-141.	0.2	4
125	Steppe Zone Vegetation and Soil Layer Pollution by Heavy Metals Under the Influence Novocherkassk Power Station Emission. Biogeosystem Technique, 2014, 1, 50-57.	0.5	4
126	Soil Organic Carbon Dynamics in Response to Tillage Practices in the Steppe Zone of Southern Russia. Processes, 2022, 10, 244.	1.3	4

#	Article	IF	Citations
127	Features of the polycyclic aromatic hydrocarbonâ€™s spatial distribution in the soils of the Don River delta. Environmental Geochemistry and Health, 2022, , 1.	1.8	4
128	Uptake of potentially toxic elements and polycyclic aromatic hydrocarbons from the hydromorphic soil and their cellular effects on the Phragmites australis. Environmental Pollution, 2022, 309, 119727.	3.7	4
129	THE ASSOCIATION OF IONS IN THE SOIL SOLUTION OF SALINE SOILS. American Journal of Agricultural and Biological Science, 2014, 9, 238-244.	0.9	3
130	Potentially toxic elements in surface soils of the Lower Don floodplain and the Taganrog Bay coast: sources, spatial distribution and pollution assessment. Environmental Geochemistry and Health, 2023, 45, 101-119.	1.8	3
131	Feasibility of sewage sludge application in rice-wheat cropping system. Eurasian Journal of Soil Science, 2021, 10, 207-214.	0.2	3
132	Ecotoxicological assessment of Zn, Cu and Ni based NPs contamination in Arenosols. Sains Tanah, 2021, 18, 143.	0.2	3
133	Biochar Effect on the Benzo[a]pyrene Degradation Rate in the Cu Co-Contaminated Haplic Chernozem under Model Vegetation Experiment Conditions. Processes, 2022, 10, 1147.	1.3	3
134	ACCUMULATION OF RADIONUCLIDES BY PYLAISIELLA MOSS (<i>PYLAISIA POLYANTHA</i>) UNDER URBOECOSYSTEM CONDITIONS. American Journal of Applied Sciences, 2014, 11, 1735-1742.	0.1	2
135	The Resistance Evaluation of Dry Subtropics Brown Soils to Heavy Metal and Oil Contamination by Biological Indicators. American Journal of Agricultural and Biological Science, 2016, 11, 110-116.	0.9	2
136	Effect of Heavy Metals on the Enzymatic Activity of Haplic Chernozem under Model Experimental Conditions. OnLine Journal of Biological Sciences, 2017, 17, 143-150.	0.2	2
137	Mechanisms of copper immobilization in Fluvisol after the carbon sorbent applying. Eurasian Journal of Soil Science, 2020, 9, 356-361.	0.2	2
138	Effect of biochar on the lead mobility in Haplic Chernozem. IOP Conference Series: Earth and Environmental Science, 2020, 578, 012012.	0.2	2
139	Visible-Light-Driven Reduced Graphite Oxide as a Metal-Free Catalyst for Degradation of Colored Wastewater. Nanomaterials, 2022, 12, 374.	1.9	2
140	Inhibition of Filamentous Thermosensitive Mutant-Z Protein in Bacillus subtilis by Cyanobacterial Bioactive Compounds. Molecules, 2022, 27, 1907.	1.7	2
141	The Role of NO in the Amelioration of Heavy Metal Stress in Plants by Individual Application or in Combination with Phytohormones, Especially Auxin. Sustainability, 2022, 14, 8400.	1.6	2
142	Analysis of Benzo[a]Pyrene Contamination from an Long-Term Contaminated Soil. American Journal of Biochemistry and Biotechnology, 2016, 12, 1-11.	0.1	1
143	Copper and zinc adsorption by Chernozems of different textures. IOP Conference Series: Earth and Environmental Science, 2019, 368, 012007.	0.2	1
144	A Biotechnological Method for Breeding Grapes Using in Vitro Growth Stimulants. Advances in Science, Technology and Innovation, 2019, , 61-63.	0.2	1

#	Article	IF	Citations
145	Assessment of the combined effect of heavy metals and polyaromatic hydrocarbons on the cultural plants. E3S Web of Conferences, 2020, 175, 07006.	0.2	1
146	Evaluation of the biochar effect on co-contaminated soils by the fitotesting method. IOP Conference Series: Earth and Environmental Science, 2020, 578, 012018.	0.2	1
147	Reduced plant uptake of PAHs from soil amended with sunflower husk biochar. Eurasian Journal of Soil Science, 2021, 10, 269-277.	0.2	1
148	The content and distribution of Mn, Fe, Ni, Cu, Zn, and Pb in automorphic soils of Polistovsky Reserve. Vestnik Tomskogo Gosudarstvennogo Universiteta, Biologiya, 2019, , 6-25.	0.1	1
149	Benzo[a]pyrene accumulation and transformation in Chernozem ordinary under artificial pollution. , 2019, 2, .	0.1	1
150	Hyperspectral imaging for small-scale analysis of Hordeum vulgare L. leaves under the benzo[a]pyrene effect. Environmental Science and Pollution Research, 2022, , 1.	2.7	1
151	Biogeoaccumulation of zinc in hybrid rice (Oryza sativa L.) in an Inceptisol amended with soil zinc application and its bioavailability to human being. Eurasian Journal of Soil Science, 2022, 11, 184-197.	0.2	1
152	Desorption of Exchangeable Cations at Adsorption of Lead Ions by Chernozem in the Presence of Attendant Anions. American Journal of Environmental Sciences, 2015, 11, 325-332.	0.3	0
153	Thermodynamic Model of Calcium Carbonate System of Soil Solution. American Journal of Agricultural and Biological Science, 2016, 11, 82-92.	0.9	0
154	PAHs Monitoring in Soils Affected by Electric Power Station. Advances in Science, Technology and Innovation, 2019, , 49-51.	0.2	0
155	Synchrotron X-Ray Absorption Spectroscopy Applications to Speciation of Metals in Soil. Advances in Science, Technology and Innovation, 2019, , 17-19.	0.2	0
156	Evaluation of the biological activity of meadow chernozem soils after the application of biochars with different pyrolysis temperatures in a model experiment. E3S Web of Conferences, 2020, 169, 02013.	0.2	0
157	Development of the Technology for Processing Plant Breeding By-Products to Obtain Biosorbent. E3S Web of Conferences, 2020, 169, 02011.	0.2	0
158	Assessment of health risks associated with soil contamination by heavy metal in an impact area of Novocherkassk power plant. IOP Conference Series: Earth and Environmental Science, 2020, 578, 012020.	0.2	0
159	Soil solution calcium carbonate equilibrium as a driver of soil organic matter and heavy metals transfer and turnover in focus of humic substances soil fertility effect. , 2019, , .		0
160	Priority soil micro-aggregate and mezo-aggregate structure synthesis for humic substances better functioning via Biogeosystem Technique soil processing. , 2019, , .		0
161	Biogeosystem Technique methodology and technological solutions for priority soil humic substances synthesis and healthy soil, water, and environment. , 2019, , .		0
162	New approaches and methods for technologically polluted territories remediation. IOP Conference Series: Earth and Environmental Science, 2020, 578, 012016.	0.2	0

#	Article	IF	Citations
163	Updated analysis of the exposure of plants to the nanomaterials. , 2022, , 25-45.		0