

Tatiana Minkina

List of Publications by Year in descending order

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294
papers

5,876
citations

117453

34
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149479

56
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docs citations

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times ranked

3152
citing authors

#	ARTICLE	IF	CITATIONS
1	Potentially toxic elements in surface soils of the Lower Don floodplain and the Taganrog Bay coast: sources, spatial distribution and pollution assessment. <i>Environmental Geochemistry and Health</i> , 2023, 45, 101-119.	1.8	3
2	Evaluating the effect of historical development on urban soils using microartifacts and geochemical indices. <i>Environmental Geochemistry and Health</i> , 2023, 45, 121-136.	1.8	5
3	The effect of resource-saving tillage technologies on the mobility, distribution and migration of trace elements in soil. <i>Environmental Geochemistry and Health</i> , 2023, 45, 85-100.	1.8	4
4	<i>Trichoderma viride</i> Mediated Modulation of Oxidative Stress Network in Potato Challenged with <i>Alternaria solani</i> . <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1919-1936.	2.8	7
5	<i>Bacillus</i> spp. as Bio-factories for Antifungal Secondary Metabolites: Innovation Beyond Whole Organism Formulations. <i>Microbial Ecology</i> , 2023, 86, 1-24.	1.4	24
6	Application of XAFS and XRD methods for describing the copper and zinc adsorption characteristics in hydromorphic soils. <i>Environmental Geochemistry and Health</i> , 2022, 44, 335-347.	1.8	9
7	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. <i>Environmental Geochemistry and Health</i> , 2022, 44, 349-368.	1.8	16
8	Pollution status and human health risk assessment of potentially toxic elements and polycyclic aromatic hydrocarbons in urban street dust of Tyumen city, Russia. <i>Environmental Geochemistry and Health</i> , 2022, 44, 409-432.	1.8	29
9	Spatial distribution of heavy metals in soils of the flood plain of the Seversky Donets River (Russia) based on geostatistical methods. <i>Environmental Geochemistry and Health</i> , 2022, 44, 319-333.	1.8	16
10	Metal-Based Green Synthesized Nanoparticles: Boon for Sustainable Agriculture and Food Security. <i>IEEE Transactions on Nanobioscience</i> , 2022, 21, 44-54.	2.2	15
11	Analysis and assessment of heavy metal contamination in the vicinity of Lake Atamanskoe (Rostov) Tj ETQq1 1 0.784314 rgBT /Overlo 44, 511-526.	1.8	5
12	Influence of carbon-containing and mineral sorbents on the toxicity of soil contaminated with benzo[a]pyrene during phytotesting. <i>Environmental Geochemistry and Health</i> , 2022, 44, 179-193.	1.8	6
13	Sorption of benzo[a]pyrene by Chernozem and carbonaceous sorbents: comparison of kinetics and interaction mechanisms. <i>Environmental Geochemistry and Health</i> , 2022, 44, 133-148.	1.8	7
14	Interaction of zinc oxide nanoparticles with soil: Insights into the chemical and biological properties. <i>Environmental Geochemistry and Health</i> , 2022, 44, 221-234.	1.8	15
15	Determination of the affinity of heavy metals to carrier phases in soils. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1277-1288.	1.8	7
16	Influence of soil pollution on the morphology of roots and leaves of <i>Verbascum thapsus</i> L. <i>Environmental Geochemistry and Health</i> , 2022, 44, 83-98.	1.8	5
17	Global footprints of organochlorine pesticides: a pan-global survey. <i>Environmental Geochemistry and Health</i> , 2022, 44, 149-177.	1.8	39
18	Methods to determine the affinity of heavy metals for the chemically extracted carrier phases in soils. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1387-1398.	1.8	6

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19	Impact of Weed Management Practices on Soil Microflora and Dehydrogenase Enzyme Activity Under Varying Levels of Nitrogen in Winter Season Onion (<i>Allium cepa</i> L.). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 108, 430-436.	1.3	4
20	Metal(loid) nanosorbents in restoration of polluted soils: geochemical, ecotoxicological, and remediation perspectives. <i>Environmental Geochemistry and Health</i> , 2022, 44, 235-246.	1.8	14
21	Soil organic matter and biological activity under long-term contamination with copper. <i>Environmental Geochemistry and Health</i> , 2022, 44, 387-398.	1.8	12
22	Intra-soil waste recycling provides safety of environment. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1355-1376.	1.8	6
23	Hydrogel-based <i>Trichoderma</i> formulation effects on different varieties of rice under rainfed condition of Indo-Gangetic Plains. <i>Environment, Development and Sustainability</i> , 2022, 24, 7035-7056.	2.7	5
24	The effect of combined pollution by PAHs and heavy metals on the topsoil microbial communities of Spolic Technosols of the lake Atamanskoe, Southern Russia. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1299-1315.	1.8	15
25	Insights on the bioremediation technologies for pesticide-contaminated soils. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1329-1354.	1.8	36
26	Superior elimination of Cr(VI) using polydopamine functionalized attapulgite supported nZVI composite: Behavior and mechanism. <i>Chemosphere</i> , 2022, 287, 131970.	4.2	21
27	Effects of ZnO nanoparticles and its bulk form on growth, antioxidant defense system and expression of oxidative stress related genes in <i>Hordeum vulgare</i> L. <i>Chemosphere</i> , 2022, 287, 132167.	4.2	36
28	Biochar-assisted Fenton-like oxidation of benzo[a]pyrene-contaminated soil. <i>Environmental Geochemistry and Health</i> , 2022, 44, 195-206.	1.8	11
29	Spatiotemporal change detection of carbon storage and sequestration in an arid ecosystem by integrating Google Earth Engine and InVEST (the Jiroft plain, Iran). <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 5929-5944.	1.8	27
30	Differential morphometric and micro-morpho-anatomical responses toward types of culture vessels used in micropropagation of <i>Hemidesmus indicus</i> (L.) R. Br.. <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 148, 439-446.	1.2	4
31	Pollution impact on microbial communities composition in natural and anthropogenically modified soils of Southern Russia. <i>Microbiological Research</i> , 2022, 254, 126913.	2.5	17
32	Biosynthesis and beneficial effects of microbial gibberellins on crops for sustainable agriculture. <i>Journal of Applied Microbiology</i> , 2022, 132, 1597-1615.	1.4	29
33	Molybdenum-induced endogenous nitric oxide (NO) signaling coordinately enhances resilience through chlorophyll metabolism, osmolyte accumulation and antioxidant system in arsenate stressed-wheat (<i>Triticum aestivum</i> L.) seedlings. <i>Environmental Pollution</i> , 2022, 292, 118268.	3.7	28
34	Phytoremediation of copper-contaminated soil by <i>Artemisia absinthium</i> : comparative effect of chelating agents. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1203-1215.	1.8	16
35	A review on nanobioremediation approaches for restoration of contaminated soil. <i>Eurasian Journal of Soil Science</i> , 2022, 11, 43-60.	0.2	12
36	Identification of species of the genus <i>Acer</i> L. using vegetation indices calculated from the hyperspectral images of leaves. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 25, 100679.	0.8	3

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37	Fabrication and characterization of high-performance forward-osmosis membrane by introducing manganese oxide incited graphene quantum dots. <i>Journal of Environmental Management</i> , 2022, 305, 114335.	3.8	17
38	Soil Organic Carbon Dynamics in Response to Tillage Practices in the Steppe Zone of Southern Russia. <i>Processes</i> , 2022, 10, 244.	1.3	4
39	Sustainable Amelioration of Heavy Metals in Soil Ecosystem: Existing Developments to Emerging Trends. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 85.	0.8	25
40	Visible-Light-Driven Reduced Graphite Oxide as a Metal-Free Catalyst for Degradation of Colored Wastewater. <i>Nanomaterials</i> , 2022, 12, 374.	1.9	2
41	Plant Nutrition under Climate Change and Soil Carbon Sequestration. <i>Sustainability</i> , 2022, 14, 914.	1.6	55
42	Microplastic Pollution: An Emerging Threat to Terrestrial Plants and Insights into Its Remediation Strategies. <i>Plants</i> , 2022, 11, 340.	1.6	25
43	Recent Trends in Nano-Fertilizers for Sustainable Agriculture under Climate Change for Global Food Security. <i>Nanomaterials</i> , 2022, 12, 173.	1.9	103
44	Hyperspectral imaging for small-scale analysis of <i>Hordeum vulgare</i> L. leaves under the benzo[a]pyrene effect. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	2.7	1
45	Nanotechnology in the Restoration of Polluted Soil. <i>Nanomaterials</i> , 2022, 12, 769.	1.9	49
46	Nanobionics in Crop Production: An Emerging Approach to Modulate Plant Functionalities. <i>Plants</i> , 2022, 11, 692.	1.6	20
47	Reinforcing the bulwark: unravelling the efficient applications of plant phenolics and tannins against environmental stresses. <i>Heliyon</i> , 2022, 8, e09094.	1.4	34
48	Inhibition of Filamentous Thermosensitive Mutant-Z Protein in <i>Bacillus subtilis</i> by Cyanobacterial Bioactive Compounds. <i>Molecules</i> , 2022, 27, 1907.	1.7	2
49	A Review on Coagulation/Flocculation in Dewatering of Coal Slurry. <i>Water (Switzerland)</i> , 2022, 14, 918.	1.2	20
50	Recent advances in metabolic engineering of microorganisms for advancing lignocellulose-derived biofuels. <i>Bioengineered</i> , 2022, 13, 8135-8163.	1.4	20
51	Understanding the phytotoxic impact of Al ³⁺ , nano-size, and bulk Al ₂ O ₃ on growth and physiology of maize (<i>Zea mays</i> L.) in aqueous and soil media. <i>Chemosphere</i> , 2022, 300, 134555.	4.2	13
52	Decrypting the synergistic action of the Fenton process and biochar addition for sustainable remediation of real technogenic soil from PAHs and heavy metals. <i>Environmental Pollution</i> , 2022, 303, 119096.	3.7	11
53	Silicon and nanosilicon mitigate nutrient deficiency under stress for sustainable crop improvement. , 2022, , 207-218.		2
54	Sources of silicon and nano-silicon in soils and plants. , 2022, , 1-15.		1

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55	Treatment of textile industry wastewater by using high-performance forward osmosis membrane tailored with alpha-manganese dioxide nanoparticles for fertigation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 80032-80043.	2.7	15
56	Determination of zinc speciation in soil using synchrotron radiation and its effects on cellular organelles of <i>Phragmites australis</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1016, 012008.	0.2	0
57	Nanomaterial-plant interaction: Views on the pros and cons. , 2022, , 47-68.		9
58	Nanomaterials Based Monitoring of Food- and Water-Borne Pathogens. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-13.	1.5	7
59	Features of the polycyclic aromatic hydrocarbonâ€™s spatial distribution in the soils of the Don River delta. <i>Environmental Geochemistry and Health</i> , 2022, , 1.	1.8	4
60	An Eco-sustainable Green Approach for Biosorption of Methylene Blue Dye from Textile Industry Wastewater by Sugarcane Bagasse, Peanut Hull, and Orange Peel: A Comparative Study Through Response Surface Methodology, Isotherms, Kinetic, and Thermodynamics. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	9
61	Surfactant pollution, an emerging threat to ecosystem: Approaches for effective bacterial degradation. <i>Journal of Applied Microbiology</i> , 2022, 133, 1229-1244.	1.4	31
62	Identification of Heavy Metal Compounds in Technogenically Transformed Soils Using Sequential Fractionation, XAFS Spectroscopy, and XRD Powder Diffraction. <i>Eurasian Soil Science</i> , 2022, 55, 613-626.	0.5	5
63	Nanofertilizer Possibilities for Healthy Soil, Water, and Food in Future: An Overview. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	35
64	Macro- and microelemental composition and properties specificity of Cambisols of plain and mountain landscapes of Russia. , 2022, , 70-77.		0
65	Assessment of Invasive and Weed Species by Hyperspectral Imagery in Agroecosystem. <i>Remote Sensing</i> , 2022, 14, 2442.	1.8	9
66	Biochar Effect on the Benzo[a]pyrene Degradation Rate in the Cu Co-Contaminated Haplic Chernozem under Model Vegetation Experiment Conditions. <i>Processes</i> , 2022, 10, 1147.	1.3	3
67	Surface Seeding of Wheat: A Sustainable Way towards Climate Resilience Agriculture. <i>Sustainability</i> , 2022, 14, 7460.	1.6	3
68	Influence of Vermicompost Application on the Growth of <i>Vinca rosea</i> valiant, <i>Pelargonium peltatum</i> L. and <i>Pegasus patio rose</i> . <i>Horticulturae</i> , 2022, 8, 534.	1.2	7
69	Zinc Oxide Nanoparticles Improve Salt Tolerance in Rice Seedlings by Improving Physiological and Biochemical Indices. <i>Agriculture (Switzerland)</i> , 2022, 12, 1014.	1.4	27
70	Uptake of potentially toxic elements and polycyclic aromatic hydrocarbons from the hydromorphic soil and their cellular effects on the <i>Phragmites australis</i> . <i>Environmental Pollution</i> , 2022, 309, 119727.	3.7	4
71	The Role of NO in the Amelioration of Heavy Metal Stress in Plants by Individual Application or in Combination with Phytohormones, Especially Auxin. <i>Sustainability</i> , 2022, 14, 8400.	1.6	2
72	The toxic effect of CuO of different dispersion degrees on the structure and ultrastructure of spring barley cells (<i>Hordeum sativum distichum</i>). <i>Environmental Geochemistry and Health</i> , 2021, 43, 1673-1687.	1.8	27

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73	Effects of benzo[a]pyrene toxicity on morphology and ultrastructure of <i>Hordeum sativum</i> . <i>Environmental Geochemistry and Health</i> , 2021, 43, 1551-1562.	1.8	19
74	Phylogenetic analysis of hyperaccumulator plant species for heavy metals and polycyclic aromatic hydrocarbons. <i>Environmental Geochemistry and Health</i> , 2021, 43, 1629-1654.	1.8	32
75	The influence of application of biochar and metal-tolerant bacteria in polluted soil on morpho-physiological and anatomical parameters of spring barley. <i>Environmental Geochemistry and Health</i> , 2021, 43, 1477-1489.	1.8	15
76	The identification of phytoextraction potential of <i>Melilotus officinalis</i> and <i>Amaranthus retroflexus</i> growing on copper- and molybdenum-polluted soils. <i>Environmental Geochemistry and Health</i> , 2021, 43, 1327-1335.	1.8	24
77	Speciation of Zn and Cu in Technosol and evaluation of a sequential extraction procedure using XAS, XRD and SEM-EDX analyses. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2301-2315.	1.8	20
78	Assessing the toxicity and accumulation of bulk- and nano-CuO in <i>Hordeum sativum</i> L. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2443-2454.	1.8	12
79	Environmental and human health risk assessment of potentially toxic elements in soils around the largest coal-fired power station in Southern Russia. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2285-2300.	1.8	33
80	Nitrogen state of Haplic Chernozem of the European part of Southern Russia in the implementation of resource-saving technologies. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 2312-2318.	1.7	2
81	Soil PAHs contamination effect on the cellular and subcellular organelle changes of <i>Phragmites australis</i> Cav.. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2407-2421.	1.8	16
82	The influence of long-term Zn and Cu contamination in Spolic Technosols on water-soluble organic matter and soil biological activity. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111471.	2.9	19
83	Thermodynamic mathematical model of the Kastanozem complex and new principles of sustainable semiarid protective silviculture management. <i>Environmental Research</i> , 2021, 194, 110605.	3.7	17
84	Subcritical water extraction of organic acids from chicken manure. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1523-1529.	1.7	5
85	Sustainability of agricultural and wild cereals to aerotechnogenic exposure. <i>Environmental Geochemistry and Health</i> , 2021, 43, 1427-1439.	1.8	10
86	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 (<i>Typha</i>)	0.0	10
87	Impact of nanoparticles on soil resource. , 2021, , 65-85.		11
88	Effects of zinc-oxide nanoparticles on soil microbial community and their functionality. , 2021, , 267-284.		3
89	Heavy metals in agricultural crops of Rostov region through the example of soft wheat (<i>Triticum</i>)	0.2	7
90	Potentially toxic elements distribution in the contaminated bottom sediments by the industrial genesis within Lower Don river system. <i>E3S Web of Conferences</i> , 2021, 265, 02018.	0.2	2

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91	Establishment of regional background for heavy metals in the soils of the Lower Don and the Taganrog Bay coast. E3S Web of Conferences, 2021, 265, 03004.	0.2	0
92	The Morphological and Functional Organization of Cattails <i>Typha laxmannii</i> Lepech. and <i>Typha australis</i> Schum. and Thonn. under Soil Pollution by Potentially Toxic Elements. Water (Switzerland), 2021, 13, 227.	1.2	8
93	Assessment of Ecological Condition of Haplic Chernozem Calcic Contaminated with Petroleum Hydrocarbons during Application of Bioremediation Agents of Various Natures. Land, 2021, 10, 169.	1.2	14
94	Transformation of copper oxide and copper oxide nanoparticles in the soil and their accumulation by <i>Hordeum sativum</i> . Environmental Geochemistry and Health, 2021, 43, 1655-1672.	1.8	19
95	Impacts of land use and land cover change on the interactions among multiple soil-dependent ecosystem services (case study: Jiroft plain, Iran). Environmental Geochemistry and Health, 2021, 43, 3977-3996.	1.8	16
96	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
97	Recent Developments in Enzymatic Antioxidant Defence Mechanism in Plants with Special Reference to Abiotic Stress. Biology, 2021, 10, 267.	1.3	228
98	Data on the polymorphic sites in the chloroplast genomes of seven perennial <i>Helianthus</i> species. Data in Brief, 2021, 35, 106904.	0.5	0
99	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
100	Effect of nanomaterials on remediation of polycyclic aromatic hydrocarbons-contaminated soils: A review. Journal of Environmental Management, 2021, 284, 112023.	3.8	35
101	The Effect of Granular Activated Carbon and Biochar on the Availability of Cu and Zn to <i>Hordeum sativum</i> Distichum in Contaminated Soil. Plants, 2021, 10, 841.	1.6	19
102	Nanoparticles induced stress and toxicity in plants. Environmental Nanotechnology, Monitoring and Management, 2021, 15, 100457.	1.7	31
103	Influence of Silver Nanoparticles on the Biological Indicators of Haplic Chernozem. Plants, 2021, 10, 1022.	1.6	21
104	Adaptive potential of <i>Typha laxmannii</i> Lepech to a heavy metal contaminated site. Plant and Soil, 2021, 465, 273-287.	1.8	4
105	The Effect of <i>Ascophyllum nodosum</i> Extract on the Nutraceutical Antioxidant Potential of <i>Vigna radiata</i> Sprout under Salt Stress. Plants, 2021, 10, 1216.	1.6	7
106	Effects of Zinc Oxide Nanoparticles on Physiological and Anatomical Indices in Spring Barley Tissues. Nanomaterials, 2021, 11, 1722.	1.9	58
107	Trace Elements in Fluvisols with Different Anthropogenic Load. International Journal of Environmental Research, 2021, 15, 751-758.	1.1	1
108	Role of Engineered Carbon Nanoparticles (CNPs) in Promoting Growth and Metabolism of <i>Vigna radiata</i> (L.) Wilczek: Insights into the Biochemical and Physiological Responses. Plants, 2021, 10, 1317.	1.6	42

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109	The Synthesis of Organoclays Based on Clay Minerals with Different Structural Expansion Capacities. Minerals (Basel, Switzerland), 2021, 11, 707.	0.8	23
110	Coping with the Challenges of Abiotic Stress in Plants: New Dimensions in the Field Application of Nanoparticles. Plants, 2021, 10, 1221.	1.6	112
111	Sources of lanthanides in soils and estimation of their hazards. Geochemistry: Exploration, Environment, Analysis, 2021, 21, geochem2021-024.	0.5	2
112	On Synchrotron Radiation for Studying the Transformation of Toxic Elements in the Soil–Plant System: A Review. Journal of Surface Investigation, 2021, 15, 814-822.	0.1	3
113	Accumulation, translocation, and toxicity of arsenic in barley grown in contaminated soil. Plant and Soil, 2021, 467, 91-106.	1.8	6
114	Roles of Nitric Oxide in Conferring Multiple Abiotic Stress Tolerance in Plants and Crosstalk with Other Plant Growth Regulators. Journal of Plant Growth Regulation, 2021, 40, 2303-2328.	2.8	38
115	Effect of Foliar Fertigation of Chitosan Nanoparticles on Cadmium Accumulation and Toxicity in Solanum lycopersicum. Biology, 2021, 10, 666.	1.3	38
116	Intra-Soil Milling for Stable Evolution and High Productivity of Kastanozem Soil. Processes, 2021, 9, 1302.	1.3	7
117	Implications of Soil Potentially Toxic Elements Contamination, Distribution and Health Risk at Hunan's Xikuangshan Mine. Processes, 2021, 9, 1532.	1.3	6
118	Arsenic Remediation through Sustainable Phytoremediation Approaches. Minerals (Basel), 2021, 11, 1032.	0.8	11
119	Green synthesis of reduced graphene oxide-CoFe ₂ O ₄ 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
120	Effects of Silicon and Silicon-Based Nanoparticles on Rhizosphere Microbiome, Plant Stress and Growth. Biology, 2021, 10, 791.	1.3	92
121	Nanotechnology-Based Strategies for the Management of COVID-19: Recent Developments and Challenges. Current Pharmaceutical Design, 2021, 27, 4197-4211.	0.9	5
122	Insights into the Biosynthesis of Nanoparticles by the Genus <i>Shewanella</i> . Applied and Environmental Microbiology, 2021, 87, e0139021.	1.4	9
123	Sustainable Approach and Safe Use of Biochar and Its Possible Consequences. Sustainability, 2021, 13, 10362.	1.6	39
124	Reduced plant uptake of PAHs from soil amended with sunflower husk biochar. Eurasian Journal of Soil Science, 2021, 10, 269-277.	0.2	1
125	Designing spinel CoFe ₂ O ₄ loaded sheet-like Bi ₂ O ₃ nano-heterostructure for synergetic white-light photocatalysis with recombination delay and antibacterial applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127449.	2.3	8
126	Current understanding of the influence of environmental factors on SARS-CoV-2 transmission, persistence, and infectivity. Environmental Science and Pollution Research, 2021, 28, 6267-6288.	2.7	49

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127	Impact of Metal-Based Nanoparticles on Cambisol Microbial Functionality, Enzyme Activity, and Plant Growth. <i>Plants</i> , 2021, 10, 2080.	1.6	13
128	Influence of Silicon on Biocontrol Strategies to Manage Biotic Stress for Crop Protection, Performance, and Improvement. <i>Plants</i> , 2021, 10, 2163.	1.6	31
129	Modulation of Cellular Redox Status and Antioxidant Defense System after Synergistic Application of Zinc Oxide Nanoparticles and Salicylic Acid in Rice (<i>Oryza sativa</i>) Plant under Arsenic Stress. <i>Plants</i> , 2021, 10, 2254.	1.6	53
130	Toxic Effects of Thallium on Biological Indicators of Haplic Chernozem Health: A Case Study. <i>Environments - MDPI</i> , 2021, 8, 119.	1.5	6
131	Potential Use of <i>Ascophyllum nodosum</i> as a Biostimulant for Improving the Growth Performance of <i>Vigna aconitifolia</i> (Jacq.) Marechal. <i>Plants</i> , 2021, 10, 2361.	1.6	4
132	Drought Tolerant <i>Enterobacter</i> sp./ <i>Leclercia adecarboxylata</i> Secretes Indole-3-acetic Acid and Other Biomolecules and Enhances the Biological Attributes of <i>Vigna radiata</i> (L.) R. Wilczek in Water Deficit Conditions. <i>Biology</i> , 2021, 10, 1149.	1.3	33
133	Insight into the Prospects for Nanotechnology in Wheat Biofortification. <i>Biology</i> , 2021, 10, 1123.	1.3	26
134	Teaching soil science: The impact of laboratory and field components on the knowledge and attitude toward soil. <i>Revista Brasileira De Ciencia Do Solo</i> , 2021, 45, .	0.5	1
135	Economic Shock and Agri-Sector: Post-COVID-19 Scenario in India. <i>Circular Economy and Sustainability</i> , 2021, 1, 1-12.	3.3	1
136	Effect of ZnO Nanoparticles on Growth and Biochemical Responses of Wheat and Maize. <i>Plants</i> , 2021, 10, 2556.	1.6	45
137	Exploring the Role of Mycorrhizal and Rhizobium Inoculation with Organic and Inorganic Fertilizers on the Nutrient Uptake and Growth of <i>Acacia mangium</i> Saplings in Acidic Soil. <i>Forests</i> , 2021, 12, 1657.	0.9	9
138	Nano-Enabled Products: Challenges and Opportunities for Sustainable Agriculture. <i>Plants</i> , 2021, 10, 2727.	1.6	62
139	Ecotoxicological assessment of Zn, Cu and Ni based NPs contamination in Arenosols. <i>Sains Tanah</i> , 2021, 18, 143.	0.2	3
140	Realizing United Nations Sustainable Development Goals for Greener Remediation of Heavy Metals-Contaminated Soils by Biochar: Emerging Trends and Future Directions. <i>Sustainability</i> , 2021, 13, 13825.	1.6	15
141	Polycyclic Aromatic Hydrocarbons in Urban Soils Within the Different Land Use: A Case Study of Tyumen, Russia. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 1251-1265.	1.4	20
142	ZnO and CuO nanoparticles: a threat to soil organisms, plants, and human health. <i>Environmental Geochemistry and Health</i> , 2020, 42, 147-158.	1.8	186
143	Levels, sources, and toxicity assessment of polycyclic aromatic hydrocarbons in urban topsoils of an intensively developing Western Siberian city. <i>Environmental Geochemistry and Health</i> , 2020, 42, 325-341.	1.8	27
144	Common and rare iron, sulfur, and zinc minerals in technogenically contaminated hydromorphic soil from Southern Russia. <i>Environmental Geochemistry and Health</i> , 2020, 42, 95-108.	1.8	9

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