Martin Urik

List of Publications by Year
in descending order

63 papers	1,036 citations	471509 17 h-index	477307 29 g-index
65 all docs	65 docs citations	65 times ranked	1068 citing authors

#	Article	IF	Citations
1	Effect of Foliar Spray Application of Zinc Oxide Nanoparticles on Quantitative, Nutritional, and Physiological Parameters of Foxtail Millet (Setaria italica L.) under Field Conditions. Nanomaterials, 2019, 9, 1559.	4.1	69
2	Fungal volatilization of trivalent and pentavalent arsenic under laboratory conditions. Bioresource Technology, 2009, 100, 1037-1040.	9.6	66
3	Foliar Application of Low Concentrations of Titanium Dioxide and Zinc Oxide Nanoparticles to the Common Sunflower under Field Conditions. Nanomaterials, 2020, 10, 1619.	4.1	66
4	Biovolatilization of Arsenic by Different Fungal Strains. Water, Air, and Soil Pollution, 2007, 186, 337-342.	2.4	60
5	Removal of arsenic (V) from aqueous solutions using chemically modified sawdust of spruce (Picea) Tj ETQq1 1 0.784314 rgBT /Overlo 2009, 6, 451-456.	3.5	58
6	Biosorption and Biovolatilization of Arsenic by Heat-Resistant Fungi (5 pp). Environmental Science and Pollution Research, 2007, 14, 31-35.	5.3	55
7	Aluminium leaching from red mud by filamentous fungi. Journal of Inorganic Biochemistry, 2015, 152, 154-159.	3.5	42
8	Potential of Microscopic Fungi Isolated from Mercury Contaminated Soils to Accumulate and Volatilize Mercury(II). Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	40
9	Intensified bioleaching of chalcopyrite concentrate using adapted mesophilic culture in continuous stirred tank reactors. Bioresource Technology, 2020, 307, 123181.	9.6	32
10	Field Application of ZnO and TiO2 Nanoparticles on Agricultural Plants. Agronomy, 2021, 11, 2281.	3.0	26
11	Antimony leaching from antimony-bearing ferric oxyhydroxides by filamentous fungi and biotransformation of ferric substrate. Science of the Total Environment, 2019, 664, 683-689.	8.0	24
12	New Approaches to the Cloud Point Extraction: Utilizable for Separation and Preconcentration of Trace Metals. Current Analytical Chemistry, 2016, 12, 87-93.	1.2	24
13	Impact of Bulk ZnO, ZnO Nanoparticles and Dissolved Zn on Early Growth Stages of Barleyâ€"A Pot Experiment. Plants, 2020, 9, 1365.	3.5	20
14	Fungal solubilization of manganese oxide and its significance for antimony mobility. International Biodeterioration and Biodegradation, 2016, 114, 157-163.	3.9	19
15	Evaluation of Various Inorganic and Biological Extraction Techniques Suitability for Soil Mercury Phytoavailable Fraction Assessment. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	18
16	Fungal Selenium(VI) Accumulation and Biotransformationâ€"Filamentous Fungi in Selenate Contaminated Aqueous Media Remediation. Clean - Soil, Air, Water, 2016, 44, 610-614.	1.1	18
17	Physiological response of culture media-grown barley (Hordeum vulgare L.) to titanium oxide nanoparticles. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2017, 67, 285-291.	0.6	18
18	Selenite sorption onto goethite: isotherm and ion-competitive studies, and effect of pH on sorption kinetics. Chemical Papers, 2019, 73, 2975-2985.	2.2	18

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19	Influence of physicochemical properties of various soil types on iodide and iodate sorption. Chemosphere, 2019, 214, 168-175.	8.2	18
20	Effects of Foliar Application of ZnO Nanoparticles on Lentil Production, Stress Level and Nutritional Seed Quality under Field Conditions. Nanomaterials, 2022, 12, 310.	4.1	18
21	Interaction with soil enhances the toxic effect of iodide and iodate on barley (Hordeum vulgare L.) compared to artificial culture media during initial growth stage. Archives of Agronomy and Soil Science, 2018, 64, 46-57.	2.6	17
22	Partitioning and stability of ionic, nano- and microsized zinc in natural soil suspensions. Science of the Total Environment, 2020, 700, 134445.	8.0	17
23	Removal of arsenic from aqueous environments by native and chemically modified biomass of<i>Aspergillus niger</i>and<i>Neosartorya fischeri</i>. Environmental Technology (United) Tj ETQq1 1 0.784314 rg BT /Overlock 10 T	2.2	16
24	Biologically Induced Mobilization of Arsenic Adsorbed onto Amorphous Ferric Oxyhydroxides in Aqueous Solution During Fungal Cultivation. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	14
25	Aluminium Leaching by Heterotrophic Microorganism Aspergillus niger: An Acidic Leaching?. Arabian Journal for Science and Engineering, 2018, 43, 2369-2374.	3.0	14
26	Iodine Biofortification of Vegetables Could Improve Iodine Supplementation Status. Agronomy, 2020, 10, 1574.	3.0	14
27	Evaluation of aluminium mobilization from its soil mineral pools by simultaneous effect of Aspergillus strains' acidic and chelating exometabolites. Journal of Inorganic Biochemistry, 2018, 181, 162-168.	3.5	13
28	Chemical mimicking of bio-assisted aluminium extraction by Aspergillus nigerâ€™s exometabolites. Environmental Pollution, 2016, 218, 281-288.	7.5	12
29	Removal of aluminium from aqueous solution by four wild-type strains of Aspergillus niger. Bioprocess and Biosystems Engineering, 2019, 42, 291-296.	3.4	12
30	Sorption of Humic Acids onto Fungal Surfaces and Its Effect on Heavy Metal Mobility. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	11
31	Heterotrophic Bacterial Leaching of Zinc and Arsenic from Artificial Adamite. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	11
32	Biodegradation mechanism of arsenopyrite mine tailing with Acidithiobacillus ferrooxidans and influence of ferric supplements. International Biodeterioration and Biodegradation, 2020, 153, 105042.	3.9	11
33	The effects of selenate on goethite synthesis and selenate sorption kinetics onto a goethite surface - A three-step process with an unexpected desorption phase. Chemical Geology, 2020, 556, 119852.	3.3	10
34	Iodine fractionation in agricultural and forest soils using extraction methods. Catena, 2020, 195, 104749.	5.0	10
35	Comparison of Iodide and Iodate Accumulation and Volatilization by Filamentous Fungi during Static Cultivation. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	9
36	Selenite Distribution in Multicomponent System Consisting of Filamentous Fungus, Humic Acids, Bentonite, and Ferric Oxyhydroxides. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	9

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37	Fungal bioextraction of iron from kaolin. Chemical Papers, 2019, 73, 3025-3029.	2.2	9
38	Iodine Fractions in Soil and Their Determination. Forests, 2021, 12, 1512.	2.1	9
39	Distribution of TiO2 Nanoparticles in Acidic and Alkaline Soil and Their Accumulation by Aspergillus niger. Agronomy, 2020, 10, 1833.	3.0	8
40	Genetic Diversity, Ochratoxin A and Fumonisin Profiles of Strains of Aspergillus Section Nigri Isolated from Dried Vine Fruits. Toxins, 2020, 12, 592.	3.4	8
41	Mobilisation of hazardous elements from arsenic-rich mine drainage ochres by three Aspergillus species. Journal of Hazardous Materials, 2021, 409, 124938.	12.4	8
42	Aging and Substrate Type Effects on Iodide and Iodate Accumulation by Barley (Hordeum vulgare L.). Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	7
43	Fungus Aspergillus niger Processes Exogenous Zinc Nanoparticles into a Biogenic Oxalate Mineral. Journal of Fungi (Basel, Switzerland), 2020, 6, 210.	3.5	7
44	Aspergillus niger enhances oxalate production as a response to phosphate deficiency induced by aluminium(III). Journal of Inorganic Biochemistry, 2020, 204, 110961.	3.5	6
45	Aspergillus niger Decreases Bioavailability of Arsenic(V) via Biotransformation of Manganese Oxide into Biogenic Oxalate Minerals. Journal of Fungi (Basel, Switzerland), 2020, 6, 270.	3.5	6
46	The Effect of High Selenite and Selenate Concentrations on Ferric Oxyhydroxides Transformation under Alkaline Conditions. International Journal of Molecular Sciences, 2021, 22, 9955.	4.1	6
47	Unexpected formation of Ag2SO4 microparticles from Ag2S nanoparticles synthesised using poplar leaf extract. Environmental Chemistry Letters, 2014, 12, 551-556.	16.2	5
48	Mercury in mercury(II)-spiked soils is highly susceptible to plant bioaccumulation. International Journal of Phytoremediation, 2016, 18, 195-199.	3.1	5
49	Increased Colloidal Stability and Decreased Solubilityâ€"Solâ€"Gel Synthesis of Zinc Oxide Nanoparticles with Humic Acids. Journal of Nanoscience and Nanotechnology, 2019, 19, 3024-3030.	0.9	5
50	Bioleaching of Manganese Oxides at Different Oxidation States by Filamentous Fungus Aspergillus niger. Journal of Fungi (Basel, Switzerland), 2021, 7, 808.	3.5	5
51	Fungal Mobilization of Selenium in the Presence of Hausmannite and Ferric Oxyhydroxides. Journal of Fungi (Basel, Switzerland), 2021, 7, 810.	3.5	5
52	Bismuth(III) Volatilization and Immobilization by Filamentous Fungus Aspergillus clavatus During Aerobic Incubation. Archives of Environmental Contamination and Toxicology, 2015, 68, 405-411.	4.1	4
53	Nanogold Biosynthesis Mediated by Mixed Flower Pollen Grains. Journal of Nanoscience and Nanotechnology, 2019, 19, 2983-2988.	0.9	4
54	Sequential Extraction Resulted in Similar Fractionation of Ionic Zn, Nano- and Microparticles of ZnO in Acidic and Alkaline Soil. Forests, 2020, 11, 1077.	2.1	4

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55	Assessment of Aspergillus niger Strainâ€™s Suitability for Arsenate-Contaminated Water Treatment and Adsorbent Recycling via Bioextraction in a Laboratory-Scale Experiment. Microorganisms, 2020, 8, 1668.	3.6	4
56	Comparable phosphate adsorption onto some natural aluminosilicates vs. Fe(III)oxihydroxide. Desalination and Water Treatment, 2016, 57, 7387-7395.	1.0	3
57	Infiltration Variability in Agricultural Soil Aggregates Caused by Air Slaking. Eurasian Soil Science, 2018, 51, 428-433.	1.6	3
58	Fungal-induced modification of spontaneously precipitated ochreous sediments from drainage of abandoned antimony mine. Chemosphere, 2021, 269, 128733.	8.2	2
59	Production of Methyl-Iodide in the Environment. Frontiers in Microbiology, 2021, 12, 804081.	3.5	2
60	Comparison of two morphologically different fungal biomass types for experimental separation of labile aluminium species using atomic spectrometry methods. Chemical Papers, 2019, 73, 3019-3023.	2.2	1
61	Basic soil properties as a factor controlling the occurrence and intensity of water repellency in rankers of the White Carpathians. Folia Forestalia Polonica, Series A, 2015, 57, 129-137.	0.3	0
62	Sorptive and Redox Interactions of Humic Substances and Metal(loid)s in the Presence of Microorganisms. Fungal Biology, 2021, , 201-215.	0.6	0
63	Identification of Magnetic Phases in Natural Ochres by MÃ¶ssbauer Spectroscopy. Acta Physica Polonica A, 2020, 137, 667-669.	0.5	0