Jacek KrzyÅ¼ak

List of Publications by Year
in descending order

33 papers	777 citations	14 h-index	27 g-index
		623574	526166
34 all docs	34 docs citations	34 times ranked	1067 citing authors

#	Article	IF	Citations
1	Field Evaluation of Arbuscular Mycorrhizal Fungal Colonization in Miscanthus Ã— giganteus and Seed-Based Miscanthus Hybrids Grown in Heavy-Metal-Polluted Areas. Plants, 2022, 11, 1216.	1.6	5
2	The cadmium accumulation differences of two Bidens pilosa L. ecotypes from clean farmlands and the changes of some physiology and biochemistry indices. Ecotoxicology and Environmental Safety, 2021, 209, 111847.	2.9	14
3	Physiological status and biomass yield of Sida hermaphrodita (L.) Rusby cultivated on two distinct marginal lands in Southern and Northern Poland. Industrial Crops and Products, 2021, 167, 113502.	2.5	7
4	Exogenous jasmonic acid decreased Cu accumulation by alfalfa and improved its photosynthetic pigments and antioxidant system. Ecotoxicology and Environmental Safety, 2020, 190, 110176.	2.9	24
5	Comparison of root colonization by arbuscular mycorrhizal fungi in energy crop species cultivated on arable land contaminated with heavy metals. IOP Conference Series: Earth and Environmental Science, 2019, 214, 012030.	0.2	2
6	Energy Crop at Heavy Metal-Contaminated Arable Land as an Alternative for Food and Feed Production: Biomass Quantity and Quality. , 2019, , 1-21.		10
7	Dactylis glomerata L. cultivation on mercury contaminated soil and its physiological response to granular sulphur aided phytostabilization. Environmental Pollution, 2019, 255, 113271.	3.7	14
8	New Miscanthus hybrids cultivated at a Polish metal-contaminated site demonstrate high stomatal regulation and reduced shoot Pb and Cd concentrations. Environmental Pollution, 2019, 252, 1377-1387.	3.7	29
9	Harvest date and leaf:stem ratio determine methane hectare yield of miscanthus biomass. GCB Bioenergy, 2019, 11, 21-33.	2.5	30
10	Cultivation of C4 perennial energy grasses on heavy metal contaminated arable land: Impact on soil, biomass, and photosynthetic traits. Environmental Pollution, 2019, 250, 300-311.	3.7	31
11	How autochthonous microorganisms influence physiological status of Zea mays L. cultivated on heavy metal contaminated soils?. Environmental Science and Pollution Research, 2019, 26, 4746-4763.	2.7	32
12	Macroelements and heavy metals content in energy crops cultivated on contaminated soil under different fertilizationâ€"case studies on autumn harvest. Environmental Science and Pollution Research, 2018, 25, 12096-12106.	2.7	39
13	Possibility of Using Energy Crops for Phytoremediation of Heavy Metals Contaminated Landâ€"A Three-Year Experience. Springer Proceedings in Energy, 2018, , 33-45.	0.2	2
14	Case study on phytoremediation driven energy crop production using <i>Sida hermaphrodita</i>. International Journal of Phytoremediation, 2018, 20, 1194-1204.	1.7	13
15	Photosynthetic Apparatus Efficiency of Sida Hermaphrodita Cultivated on Heavy Metals Contaminated Arable Land Under Various Fertilization Regimes. Civil and Environmental Engineering Reports, 2018, 28, 130-145.	0.2	2
16	Phytoremediation as an effective method to remove heavy metals from contaminated area â€" TG/FT-IR analysis results of the gasification of heavy metal contaminated energy crops. Journal of the Energy Institute, 2017, 90, 408-417.	2.7	26
17	Progress in upscaling <i>Miscanthus</i> biomass production for the European bioâ€economy with seedâ€based hybrids. GCB Bioenergy, 2017, 9, 6-17.	2.5	156
18	Relationships between soil parameters and physiological status of Miscanthus x giganteus cultivated on soil contaminated with trace elements under NPK fertilisation vs. microbial inoculation. Environmental Pollution, 2017, 225, 163-174.	3.7	63

#	Article	IF	Citations
19	Heavy Metal Uptake by Novel Miscanthus Seed-Based Hybrids Cultivated in Heavy Metal Contaminated Soil. Civil and Environmental Engineering Reports, 2017, 26, 121-132.	0.2	22
20	MACROELEMENTS AND HEAVY METALS CONTENT IN PANICUM VIRGATUM CULTIVATED ON CONTAMINATED SOIL UNDER DIFFERENT FERTILIZATION. Agriculture and Forestry, 2017, 63, .	0.0	1
21	PHYSICO-CHEMICAL PROPERTIES OF THE SOLID AND LIQUID WASTE PRODUCTS FROM THE HEAVY METAL CONTAMINATED ENERGY CROPS GASIFICATION PROCESS. InÅ¼ynieria Ekologiczna, 2017, 18, 36-42.	0.2	0
22	Sewage sludge and fly ash mixture as an alternative for decontaminating lead and zinc ore regions. Environmental Monitoring and Assessment, 2015, 187, 4120.	1.3	8
23	Chlorophyll a Fluorescence in Evaluation of the Effect of Heavy Metal Soil Contamination on Perennial Grasses. PLoS ONE, 2014, 9, e91475.	1.1	80
24	Changes in Enzyme Activities and Microbial Community Structure in Heavy Metalâ€Contaminated Soil under <i>in Situ</i> Aided Phytostabilization. Clean - Soil, Air, Water, 2014, 42, 1618-1625.	0.7	25
25	Environmental hazards related toMiscanthusxgiganteuscultivation on heavy metal contaminated soil. E3S Web of Conferences, 2013, 1, 29006.	0.2	12
26	The Effect of Heavy Metal Contaminated Soil on Growth and Development of Perennial Grasses. E3S Web of Conferences, 2013, 1, 13006.	0.2	1
27	MICROBIAL PARAMETERS AS BIOINDICATORS OF SOIL QUALITY DURING AIDED PHYTOSTABILIZATION OF METAL CONTAMINATED SOIL. Environmental Engineering and Management Journal, 2012, 11, 1775-1782.	0.2	2
28	A Heavy Metal Environmental Threat Resulting from Combustion of Biofuels of Plant Origin. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 213-225.	0.1	5
29	Phytoremediation Technologies Used To Reduce Environmental Threat Posed By Metal-Contaminated Soils: Theory And Reality. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 285-297.	0.1	9
30	Effect of chemophytostabilization practices on arbuscular mycorrhiza colonization of Deschampsia cespitosa ecotype WaryÅ„ski at different soil depths. Environmental Pollution, 2007, 150, 338-346.	3.7	25
31	THE POTENTIAL USE OF FESTUCA CULTIVARS AND LIGNITE FOR PHYTOSTABILIZATION OF HEAVY METAL POLLUTED SOILS. , 2006, , 367-374.		1
32	Assessment of Fescue Cultivars for Phytostabilization Effectiveness. , 2006, , 135-143.		0
33	The use of indigenous plant species and calcium phosphate for the stabilization of highly metal-polluted sites in southern Poland. Plant and Soil, 2005, 273, 291-305.	1.8	86