Mnv Prasad

List of Publications by Year
in descending order

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Version: 2024-02-01

40	5,687	172386	395590
papers	citations	29 h-index	33 g-index

45	45	45	5911
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Plant growth promoting rhizobacteria and endophytes accelerate phytoremediation of metalliferous soils. Biotechnology Advances, 2011, 29, 248-258.	6.0	954
2	Perspectives of plant-associated microbes in heavy metal phytoremediation. Biotechnology Advances, 2012, 30, 1562-1574.	6.0	785
3	Cadmium toxicity and tolerance in vascular plants. Environmental and Experimental Botany, 1995, 35, 525-545.	2.0	453
4	Phytochelatin synthesis andÂresponse ofÂantioxidants during cadmium stress inÂBacopaÂmonnieri Lâ—Š. Plant Physiology and Biochemistry, 2006, 44, 25-37.	2.8	418
5	Responses of glutathione cycle enzymes and glutathione metabolism to copper stress in Scenedesmus bijugatus. Plant Science, 2001, 160, 291-299.	1.7	387
6	Copper toxicity in Ceratophyllum demersum L. (Coontail), a free floating macrophyte: Response of antioxidant enzymes and antioxidants. Plant Science, 1998, 138, 157-165.	1.7	302
7	Physiological responses of Lemna trisulca L. (duckweed) to cadmium and copper bioaccumulation. Plant Science, 2001, 161, 881-889.	1.7	264
8	Lead(II) adsorption from aqueous solutions by raw and activated charcoals of Melocanna baccifera Roxburgh (bamboo)â€"A comparative study. Journal of Hazardous Materials, 2010, 175, 311-318.	6.5	248
9	Plant community tolerant to trace elements growing on the degraded soils of SÃ£o Domingos mine in the south east of Portugal: environmental implications. Environment International, 2004, 30, 65-72.	4.8	214
10	Plants growing in abandoned mines of Portugal are useful for biogeochemical exploration of arsenic, antimony, tungsten and mine reclamation. Journal of Geochemical Exploration, 2005, 85, 99-107.	1.5	168
11	Removal of toxic metals from solution by leaf, stem and root phytomass of Quercus ilex L. (holly oak). Environmental Pollution, 2000, 110, 277-283.	3.7	145
12	Zinc protects chloroplasts and associated photochemical functions in cadmium exposed Ceratophyllum demersum L., a freshwater macrophyte. Plant Science, 2004, 166, 1321-1327.	1.7	141
13	Analysis of serpentinophytes from northâ€"east of Portugal for trace metal accumulationâ€"â€"relevance to the management of mine environment. Chemosphere, 2004, 54, 1625-1642.	4.2	114
14	Ecophysiological tolerance of duckweeds exposed to copper. Aquatic Toxicology, 2009, 91, 1-9.	1.9	109
15	Lead (II) and cadmium (II) biosorption on Spirodela polyrhiza (L.) Schleiden biomass. Journal of Environmental Chemical Engineering, 2013, 1, 200-207.	3.3	91
16	Modulation of glutathione and its related enzymes in plantsâ€™ responses to toxic metals and metalloidsâ€"A review. Environmental and Experimental Botany, 2011, 75, 307-307.	2.0	84
17	Heavy metal-binding proteins/peptides: Occurrence, structure, synthesis and functions. A review. Environmental and Experimental Botany, 1990, 30, 251-264.	2.0	72
18	Plant-microbiome assisted and biochar-amended remediation of heavy metals and polyaromatic compounds â"€ a microcosmic study. Ecotoxicology and Environmental Safety, 2019, 176, 288-299.	2.9	66

#	ARTICLE	IF	CITATIONS
19	Removal of Pb(II) from aqueous solution by seed powder of Prosopis juliflora DC.. Journal of Hazardous Materials, 2009, 169, 991-997.	6.5	63
20	Mechanistic understanding and future prospect of microbe-enhanced phytoremediation of polycyclic aromatic hydrocarbons in soil. Environmental Technology and Innovation, 2019, 13, 318-330.	3.0	63
21	Zinc protects Ceratophyllum demersum L. (free-floating hydrophyte) against reactive oxygen species induced by cadmium. Journal of Trace Elements in Medicine and Biology, 2009, 23, 50-60.	1.5	62
22	Binding of cadmium to Strychnos potatorum seed proteins in aqueous solution: Adsorption kinetics and relevance to water purification. Colloids and Surfaces B: Biointerfaces, 2012, 94, 73-79.	2.5	57
23	Biosorption of lead from aqueous solution by seed powder of Strychnos potatorum L.. Colloids and Surfaces B: Biointerfaces, 2009, 71, 248-254.	2.5	52
24	Localization of polycyclic aromatic hydrocarbons and heavy metals in surface soil of Asiaâ€™s oldest oil and gas drilling site in Assam, north-east India: Implications for the bio-economy. Emerging Contaminants, 2016, 2, 119-127.	2.2	47
25	Ecophysiological tolerance of Elodea canadensis to nickel exposure. Chemosphere, 2009, 77, 392-398.	4.2	44
26	Potential of chemically activated and raw charcoals of Melocanna baccifera for removal of Ni(II) and Zn(II) from aqueous solutions. Desalination, 2011, 271, 301-308.	4.0	44
27	Cadmium-induced toxicity reversal by zinc in Ceratophyllum demersum L. (a free floating aquatic) Tj ETQq1 1 0.784314 rgBT /Overloc 61, 1720-1733.	4.2	39
28	Identification and characterization of Cd-induced peptides in Egeria densa (water weed): Putative role in Cd detoxification. Aquatic Toxicology, 2009, 95, 213-221.	1.9	33
29	Metal stress consequences on frost hardiness of plants at northern high latitudes: a review and hypothesis. Environmental Pollution, 2005, 135, 209-220.	3.7	30
30	Characterization of Cadmium Binding Protein from Scenedesmus quadricauda and Cd Toxicity Reversal by Phytochelatin Constituting Amino Acids and Citrate. Journal of Plant Physiology, 1992, 140, 156-162.	1.6	28
31	Zinc mediated protection to the conformation of carbonic anhydrase in cadmium exposed Ceratophyllum demersum L.. Plant Science, 2005, 169, 245-254.	1.7	21
32	Red and blue lights induced oxidative stress tolerance promote cadmium rhizocomplexation in Oryza sativa. Journal of Photochemistry and Photobiology B: Biology, 2014, 137, 135-143.	1.7	19
33	Phytomanagement of Padaeng Zinc Mine Waste, Mae Sot District, Tak Province, Thailand. , 2015, , 661-687.		15
34	Mulberry and Vetiver for Phytostabilization of Mine Overburden. , 2016, , 295-328.		13
35	Prosopis juliflora (Sw) DC. , 2016, , 49-76.		11
36	Biological Recultivation of Mine Industry Deserts. , 2016, , 389-418.		9

#	ARTICLE	IF	CITATIONS
37	Cadmium induced potassium efflux from Scenedesmus quadricauda. Bulletin of Environmental Contamination and Toxicology, 1992, 49, 600-5.	1.3	6
38	Potential of Castor Bean (Ricinus Communis L.) for Phytoremediation of Metalliferous Waste Assisted by Plant Growth-Promoting Bacteria. , 2016, , 149-175.		5
39	Tree Crops on Abandoned Mines for Environmental Remediation and Industrial Feedstock. , 2016, , 219-249.		5
40	Rice Paddies for Trace Element Cleanup. , 2016, , 251-269.		0