Stephen D Ebbs

List of Publications by Year
in descending order

53 papers	4,527 citations	159585 30 h-index	182427 51 g-index
53 all docs	53 docs citations	53 times ranked	4215 citing authors

#	Article	IF	Citations
1	The molecular physiology of heavy metal transport in the Zn/Cd hyperaccumulator Thlaspi caerulescens. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4956-4960.	7.1	694
2	Toxicity of Zinc and Copper to Brassica Species: Implications for Phytoremediation. Journal of Environmental Quality, 1997, 26, 776-781.	2.0	440
3	Phytoextraction of Zinc by Oat (Avena sativa), Barley (Hordeum vulgare), and Indian Mustard (Brassica) Tj ETQq1 1 0.784314 rgBT /Ove	10.0	304
4	Molecular physiology of zinc transport in the Zn hyperaccumulator Thlaspi caerulescens. Journal of Experimental Botany, 2000, 51, 71-79.	4.8	275
5	Role of uranium speciation in the uptake and translocation of uranium by plants. Journal of Experimental Botany, 1998, 49, 1183-1190.	4.8	240
6	Biological degradation of cyanide compounds. Current Opinion in Biotechnology, 2004, 15, 231-236.	6.6	226
7	Elevated expression of <i>TcHMA3</i> plays a key role in the extreme Cd tolerance in a Cdâ€hyperaccumulating ecotype of <i>Thlaspi caerulescens</i>. Plant Journal, 2011, 66, 852-862.	5.7	209
8	Phytochelatin synthesis is not responsible for Cd tolerance in the Zn/Cd hyperaccumulator Thlaspi caerulescens (J. & C. Presl). Planta, 2002, 214, 635-640.	3.2	192
9	Phytoremediation of a Radiocesiumâ€Contaminated Soil: Evaluation of Cesiumâ€137 Bioaccumulation in the Shoots of Three Plant Species. Journal of Environmental Quality, 1998, 27, 165-169.	2.0	152
10	Trans-generational impact of cerium oxide nanoparticles on tomato plants. Metallomics, 2013, 5, 753.	2.4	126
11	Accumulation of zinc, copper, or cerium in carrot (Daucus carota) exposed to metal oxide nanoparticles and metal ions. Environmental Science: Nano, 2016, 3, 114-126.	4.3	123
12	Sustainability of crop production from polluted lands. Energy, Ecology and Environment, 2016, 1, 54-65.	3.9	104
13	Root and shoot transcriptome analysis of two ecotypes of <i><scp>N</scp>occaea caerulescens</i> uncovers the role of <i><scp>N</scp>c<scp>N</scp>ramp1</i> in <scp>C</scp>d hyperaccumulation. Plant Journal, 2014, 78, 398-410.	5.7	97
14	Transport and metabolism of free cyanide and iron cyanide complexes by willow. Plant, Cell and Environment, 2003, 26, 1467-1478.	5.7	96
15	Uptake and Accumulation of Bulk and Nanosized Cerium Oxide Particles and Ionic Cerium by Radish (<i>Raphanus sativus</i> L.). Journal of Agricultural and Food Chemistry, 2015, 63, 382-390.	5.2	90
16	Zinc, copper, or cerium accumulation from metal oxide nanoparticles or ions in sweet potato: Yield effects and projected dietary intake from consumption. Plant Physiology and Biochemistry, 2017, 110, 128-137.	5.8	88
17	The <i>Î²</i>â€cyanoalanine synthase pathway: beyond cyanide detoxification. Plant, Cell and Environment, 2016, 39, 2329-2341.	5.7	79
18	Simplified Extraction of Ginsenosides from American Ginseng (Panax quinquefoliusL.) for High-Performance Liquid Chromatographyâˆ'Ultraviolet Analysis. Journal of Agricultural and Food Chemistry, 2005, 53, 9867-9873.	5.2	76

#	Article	IF	Citations
19	Cadmium and zinc induced chlorosis in Indian mustard [Brassica juncea (L.) Czern] involves preferential loss of chlorophyll b. Photosynthetica, 2008, 46, 49-55.	1.7	74
20	The Effect of Acidification and Chelating Agents on the Solubilization of Uranium from Contaminated Soil. Journal of Environmental Quality, 1998, 27, 1486-1494.	2.0	51
21	Multigenerational exposure to cerium oxide nanoparticles: Physiological and biochemical analysis reveals transmissible changes in rapid cycling Brassica rapa. NanoImpact, 2016, 1, 46-54.	4.5	51
22	Transport of Ferrocyanide by Two Eucalypt Species and Sorghum. International Journal of Phytoremediation, 2008, 10, 343-357.	3.1	50
23	The exchangeability and leachability of metals from select green roof growth substrates. Urban Ecosystems, 2010, 13, 91-111.	2.4	49
24	Uptake of Cesium-137 and Strontium-90 from Contaminated Soil by Three Plant Species; Application to Phytoremediation. Journal of Environmental Quality, 2002, 31, 904.	2.0	49
25	Pathways of root uptake and membrane transport of Cd²⁺ in the zinc/cadmium hyperaccumulating plant <i>Sedum plumbizincicola</i>. Environmental Toxicology and Chemistry, 2017, 36, 1038-1046.	4.3	46
26	Bioavailability of cerium oxide nanoparticles to Raphanus sativus L. in two soils. Plant Physiology and Biochemistry, 2017, 110, 185-193.	5.8	44
27	Cadmium sorption, influx, and efflux at the mesophyll layer of leaves from ecotypes of the Zn/Cd hyperaccumulator <i>Thlaspi caerulescens</i>. New Phytologist, 2009, 181, 626-636.	7.3	43
28	Effects of phosphorus on chemical forms of Cd in plants of four spinach (Spinacia oleracea L.) cultivars differing in Cd accumulation. Environmental Science and Pollution Research, 2016, 23, 5753-5762.	5.3	34
29	Nitrogen supply and cyanide concentration influence the enrichment of nitrogen from cyanide in wheat (Triticum aestivum L.) and sorghum (Sorghum bicolor L.). Plant, Cell and Environment, 2010, 33, no-no.	5.7	33
30	Cultivation of garden vegetables in Peoria Pool sediments from the Illinois River: A case study in trace element accumulation and dietary exposures. Environment International, 2006, 32, 766-774.	10.0	32
31	Projected Dietary Intake of Zinc, Copper, and Cerium from Consumption of Carrot (Daucus carota) Exposed to Metal Oxide Nanoparticles or Metal Ions. Frontiers in Plant Science, 2016, 7, 188.	3.6	32
32	Heavy metals in leachate from simulated green roof systems. Ecological Engineering, 2011, 37, 1709-1717.	3.6	30
33	Transport of Cd and Zn to seeds of Indian mustard (Brassica juncea) during specific stages of plant growth and development. Physiologia Plantarum, 2007, 132, 071115143317001-???.	5.2	29
34	The influence of lead and arsenite on the inhibition of human breast cancer MCF-7 cell proliferation by American ginseng root (Panax quinquefolius L.). Life Sciences, 2006, 78, 1336-1340.	4.3	28
35	A screen of some native Australian flora and exotic agricultural species for their potential application in cyanide-induced phytoextraction of gold. Minerals Engineering, 2007, 20, 1327-1330.	4.3	25
36	Growth of selected plant species in biosolids-amended mine tailings. Minerals Engineering, 2015, 80, 25-32.	4.3	24

#	Article	IF	Citations
37	Responses of the wetland grass, Beckmannia syzigachne , to salinity and soil wetness: Consequences for wetland reclamation in the oil sands area of Alberta, Canada. Ecological Engineering, 2016, 86, 24-30.	3.6	23
38	A Comparison of the Dietary Arsenic Exposures from Ingestion of Contaminated Soil and Hyperaccumulating<i>Pteris</i>Ferns Used in a Residential Phytoremediation Project. International Journal of Phytoremediation, 2009, 12, 121-132.	3.1	21
39	The Î²-cyanoalanine pathway is involved in the response to water deficit in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2013, 63, 159-169.	5.8	20
40	Increased Î²â€cyanoalanine synthase and asparaginase activity in nitrogenâ€deprived wheat exposed to cyanide. Journal of Plant Nutrition and Soil Science, 2010, 173, 808-810.	1.9	19
41	Solubilization of heavy metals from gold ore by adjuvants used during gold phytomining. Minerals Engineering, 2010, 23, 819-822.	4.3	18
42	Development of a Plant Uptake Model for Cyanide. International Journal of Phytoremediation, 2006, 8, 25-43.	3.1	17
43	Dissolution of copper and iron from automotive brake pad wear debris enhances growth and accumulation by the invasive macrophyte Salvinia molesta Mitchell. Chemosphere, 2013, 92, 45-51.	8.2	14
44	Uranium Speciation, Plant Uptake, and Phytoremediation. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2001, 5, 130-135.	0.4	12
45	Transport and Partitioning of Lead in Indian Mustard (<i>Brassica juncea</i>) and Wheat (<i>Triticum) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	10
46	Parameter Estimation of a Plant Uptake Model for Cyanide: Application to Hydroponic Data. International Journal of Phytoremediation, 2006, 8, 45-62.	3.1	9
47	Alteration of Root Growth by Lettuce, Wheat, and Soybean in Response to Wear Debris from Automotive Brake Pads. Archives of Environmental Contamination and Toxicology, 2014, 67, 557-564.	4.1	6
48	Plant Tissue Extraction Method for Complexed and Free Cyanide. Water, Air, and Soil Pollution, 2004, 157, 281-293.	2.4	5
49	Cyanide Cycle in Nature. , 2005, , 225-236.		5
50	Functional Redundancies in Cyanide Tolerance Provided by Î²-Cyanoalanine Pathway Genes in<i>Arabidopsis thaliana</i>. International Journal of Plant Sciences, 2014, 175, 346-358.	1.3	5
51	Cadmium accumulation in deer tongue grass (Panicum clandestinum L.) and potential for trophic transfer to microtine rodents. Environmental Pollution, 2007, 148, 580-589.	7.5	4
52	Initial loss of cyanide, thiocyanate, and thiosulfate adjuvants following amendment to an oxidic gold ore. Minerals Engineering, 2011, 24, 1641-1643.	4.3	4
53	Phytoremediation of Iron Cyanide Complexes in Soil-Water Systems. Soil and Sediment Contamination, 2002, 11, 458-458.	1.9	0