Stephen D Ebbs

List of Publications by Citations

53 papers	3,822 citations	27 h-index	53 g-index
53 ext. papers	4,122 ext. citations	5.5 avg, IF	5.27 L-index

#	Paper	IF	Citations
53	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, 4956-60	11.5	623
52	Toxicity of Zinc and Copper to Brassica Species: Implications for Phytoremediation. *Journal of Environmental Quality*, **1997**, 26, 776-781	3.4	364
51	Phytoextraction of Zinc by Oat (Avena sativa), Barley (Hordeum vulgare), and Indian Mustard (Brassica juncea). *Environmental Science & Technology*, **1998**, 32, 802-806	10.3	266
50	Molecular physiology of zinc transport in the Zn hyperaccumulator Thlaspi caerulescens. *Journal of Experimental Botany*, **2000**, 51, 71-79	7	249
49	Role of uranium speciation in the uptake and translocation of uranium by plants. *Journal of Experimental Botany*, **1998**, 49, 1183-1190	7	209
48	Biological degradation of cyanide compounds. *Current Opinion in Biotechnology*, **2004**, 15, 231-6	11.4	191
47	Phytochelatin synthesis is not responsible for Cd tolerance in the Zn/Cd hyperaccumulator Thlaspi caerulescens (J. & C. Presl). *Planta*, **2002**, 214, 635-40	4.7	176
46	Elevated expression of TcHMA3 plays a key role in the extreme Cd tolerance in a Cd-hyperaccumulating ecotype of Thlaspi caerulescens. *Plant Journal*, **2011**, 66, 852-62	6.9	170
45	Phytoremediation of a Radiocesium-Contaminated Soil: Evaluation of Cesium-137 Bioaccumulation in the Shoots of Three Plant Species. *Journal of Environmental Quality*, **1998**, 27, 165-169	3.4	132
44	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	7.1	109
43	Trans-generational impact of cerium oxide nanoparticles on tomato plants. *Metallomics*, **2013**, 5, 753-9	4.5	108
42	Uptake and accumulation of bulk and nanosized cerium oxide particles and ionic cerium by radish (Raphanus sativus L.). *Journal of Agricultural and Food Chemistry*, **2015**, 63, 382-90	5.7	77
41	Sustainability of crop production from polluted lands. *Energy, Ecology and Environment*, **2016**, 1, 54-65	3.5	75
40	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	5.4	73
39	Simplified extraction of ginsenosides from American ginseng (Panax quinquefolius L.) for high-performance liquid chromatography-ultraviolet analysis. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 9867-73	5.7	72
38	Transport and metabolism of free cyanide and iron cyanide complexes by willow. *Plant, Cell and Environment*, **2003**, 26, 1467-1478	8.4	72
37	Root and shoot transcriptome analysis of two ecotypes of Noccaea caerulescens uncovers the role of NcNramp1 in Cd hyperaccumulation. *Plant Journal*, **2014**, 78, 398-410	6.9	71

36	Cadmium and zinc induced chlorosis in Indian mustard [Brassica juncea (L.) Czern] involves preferential loss of chlorophyll b. *Photosynthetica*, **2008**, 46, 49-55	2.2	64
35	Transport of ferrocyanide by two eucalypt species and sorghum. *International Journal of Phytoremediation*, **2008**, 10, 343-57	3.9	46
34	The Effect of Acidification and Chelating Agents on the Solubilization of Uranium from Contaminated Soil. *Journal of Environmental Quality*, **1998**, 27, 1486-1494	3.4	46
33	Uptake of Cesium-137 and Strontium-90 from Contaminated Soil by Three Plant Species; Application to Phytoremediation. *Journal of Environmental Quality*, **2002**, 31, 904	3.4	46
32	The exchangeability and leachability of metals from select green roof growth substrates. *Urban Ecosystems*, **2010**, 13, 91-111	2.8	42
31	The β-cyanoalanine synthase pathway: beyond cyanide detoxification. *Plant, Cell and Environment*, **2016**, 39, 2329-41	8.4	41
30	Multigenerational exposure to cerium oxide nanoparticles: Physiological and biochemical analysis reveals transmissible changes in rapid cycling Brassica rapa. *NanoImpact*, **2016**, 1, 46-54	5.6	41
29	Bioavailability of cerium oxide nanoparticles to Raphanus sativus L. in two soils. *Plant Physiology and Biochemistry*, **2017**, 110, 185-193	5.4	37
28	Cadmium sorption, influx, and efflux at the mesophyll layer of leaves from ecotypes of the Zn/Cd hyperaccumulator Thlaspi caerulescens. *New Phytologist*, **2009**, 181, 626-36	9.8	36
27	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	6.2	29
26	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, 5753-62	5.1	26
25	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, 1152-60	8.4	24
24	Transport of Cd and Zn to seeds of Indian mustard (Brassica juncea) during specific stages of plant growth and development. *Physiologia Plantarum*, **2008**, 132, 69-78	4.6	24
23	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	4.9	24
22	Pathways of root uptake and membrane transport of Cd in the zinc/cadmium hyperaccumulating plant Sedum plumbizincicola. *Environmental Toxicology and Chemistry*, **2017**, 36, 1038-1046	3.8	22
21	Heavy metals in leachate from simulated green roof systems. *Ecological Engineering*, **2011**, 37, 1709-1713	3.9	22
20	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, 1336-40	6.8	21
19	Growth of selected plant species in biosolids-amended mine tailings. *Minerals Engineering*, **2015**, 80, 25-32	3.9	20

18	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	3.9	20
17	A comparison of the dietary arsenic exposures from ingestion of contaminated soil and hyperaccumulating Pteris ferns used in a residential phytoremediation project. *International Journal of Phytoremediation*, **2010**, 12, 121-32	3.9	20
16	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, 766-74	12.9	20
15	The Ecyanoalanine pathway is involved in the response to water deficit in Arabidopsis thaliana. *Plant Physiology and Biochemistry*, **2013**, 63, 159-69	5.4	17
14	Increased Ecyanoalanine synthase and asparaginase activity in nitrogen-deprived wheat exposed to cyanide. *Journal of Plant Nutrition and Soil Science*, **2010**, 173, 808-810	2.3	15
13	Solubilization of heavy metals from gold ore by adjuvants used during gold phytomining. *Minerals Engineering*, **2010**, 23, 819-822	4.9	15
12	Development of a plant uptake model for cyanide. *International Journal of Phytoremediation*, **2006**, 8, 25-43	3.9	15
11	Uranium Speciation, Plant Uptake, and Phytoremediation. *Practice Periodical of Hazardous, Toxic and Radioactive Waste Management*, **2001**, 5, 130-135		12
10	Parameter estimation of a plant uptake model for cyanide: application to hydroponic data. *International Journal of Phytoremediation*, **2006**, 8, 45-62	3.9	9
9	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	8.4	8
8	Transport and Partitioning of Lead in Indian Mustard (Brassica juncea) and Wheat (Triticum aestivum). *Bioremediation Journal*, **2014**, 18, 345-355	2.3	4
7	Initial loss of cyanide, thiocyanate, and thiosulfate adjuvants following amendment to an oxidic gold ore. *Minerals Engineering*, **2011**, 24, 1641-1643	4.9	4
6	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, 557-64	3.2	3
5	Functional Redundancies in Cyanide Tolerance Provided by ECyanoalanine Pathway Genes inArabidopsis thaliana. *International Journal of Plant Sciences*, **2014**, 175, 346-358	2.6	3
4	Cadmium accumulation in deer tongue grass (Panicum clandestinum L.) and potential for trophic transfer to microtine rodents. *Environmental Pollution*, **2007**, 148, 580-9	9.3	3
3	Plant Tissue Extraction Method for Complexed and Free Cyanide. *Water, Air, and Soil Pollution*, **2004**, 157, 281-293	2.6	3
2	Cyanide Cycle in Nature **2005**, 225-236		3
1	Phytoremediation of Iron Cyanide Complexes in Soil-Water Systems. *Soil and Sediment Contamination*, **2002**, 11, 458-458	3.2	