

Stephen D Ebbs

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Bioavailability of cerium oxide nanoparticles to <i>Raphanus sativus</i> L. in two soils. <i>Plant Physiology and Biochemistry</i> , 2017 , 110, 185-193	5.4	37
52	Zinc, copper, or cerium accumulation from metal oxide nanoparticles or ions in sweet potato: Yield effects and projected dietary intake from consumption. <i>Plant Physiology and Biochemistry</i> , 2017 , 110, 128-137	5.4	73
51	Pathways of root uptake and membrane transport of Cd in the zinc/cadmium hyperaccumulating plant <i>Sedum plumbizincicola</i> . <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 1038-1046	3.8	22
50	Accumulation of zinc, copper, or cerium in carrot (<i>Daucus carota</i>) exposed to metal oxide nanoparticles and metal ions. <i>Environmental Science: Nano</i> , 2016 , 3, 114-126	7.1	109
49	The β -cyanoalanine synthase pathway: beyond cyanide detoxification. <i>Plant, Cell and Environment</i> , 2016 , 39, 2329-41	8.4	41
48	Sustainability of crop production from polluted lands. <i>Energy, Ecology and Environment</i> , 2016 , 1, 54-65	3.5	75
47	Responses of the wetland grass, <i>Beckmannia syzigachne</i> , to salinity and soil wetness: Consequences for wetland reclamation in the oil sands area of Alberta, Canada. <i>Ecological Engineering</i> , 2016 , 86, 24-30	3.9	20
46	Effects of phosphorus on chemical forms of Cd in plants of four spinach (<i>Spinacia oleracea</i> L.) cultivars differing in Cd accumulation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 5753-62	5.1	26
45	Projected Dietary Intake of Zinc, Copper, and Cerium from Consumption of Carrot (<i>Daucus carota</i>) Exposed to Metal Oxide Nanoparticles or Metal Ions. <i>Frontiers in Plant Science</i> , 2016 , 7, 188	6.2	29
44	Multigenerational exposure to cerium oxide nanoparticles: Physiological and biochemical analysis reveals transmissible changes in rapid cycling <i>Brassica rapa</i> . <i>NanoImpact</i> , 2016 , 1, 46-54	5.6	41
43	Growth of selected plant species in biosolids-amended mine tailings. <i>Minerals Engineering</i> , 2015 , 80, 25-32	3.2	20
42	Uptake and accumulation of bulk and nanosized cerium oxide particles and ionic cerium by radish (<i>Raphanus sativus</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 382-90	5.7	77
41	Root and shoot transcriptome analysis of two ecotypes of <i>Nocca caerulea</i> uncovers the role of <i>NcNramp1</i> in Cd hyperaccumulation. <i>Plant Journal</i> , 2014 , 78, 398-410	6.9	71
40	Transport and Partitioning of Lead in Indian Mustard (<i>Brassica juncea</i>) and Wheat (<i>Triticum aestivum</i>). <i>Bioremediation Journal</i> , 2014 , 18, 345-355	2.3	4
39	Alteration of root growth by lettuce, wheat, and soybean in response to wear debris from automotive brake pads. <i>Archives of Environmental Contamination and Toxicology</i> , 2014 , 67, 557-64	3.2	3
38	Functional Redundancies in Cyanide Tolerance Provided by β -Cyanoalanine Pathway Genes in <i>Arabidopsis thaliana</i> . <i>International Journal of Plant Sciences</i> , 2014 , 175, 346-358	2.6	3
37	Dissolution of copper and iron from automotive brake pad wear debris enhances growth and accumulation by the invasive macrophyte <i>Salvinia molesta</i> Mitchell. <i>Chemosphere</i> , 2013 , 92, 45-51	8.4	8

36	The Cyanoalanine pathway is involved in the response to water deficit in Arabidopsis thaliana. <i>Plant Physiology and Biochemistry</i> , 2013 , 63, 159-69	5.4	17
35	Trans-generational impact of cerium oxide nanoparticles on tomato plants. <i>Metallomics</i> , 2013 , 5, 753-9	4.5	108
34	Heavy metals in leachate from simulated green roof systems. <i>Ecological Engineering</i> , 2011 , 37, 1709-1713	3.9	22
33	Elevated expression of TcHMA3 plays a key role in the extreme Cd tolerance in a Cd-hyperaccumulating ecotype of <i>Thlaspi caerulescens</i> . <i>Plant Journal</i> , 2011 , 66, 852-62	6.9	170
32	Initial loss of cyanide, thiocyanate, and thiosulfate adjuvants following amendment to an oxidic gold ore. <i>Minerals Engineering</i> , 2011 , 24, 1641-1643	4.9	4
31	Nitrogen supply and cyanide concentration influence the enrichment of nitrogen from cyanide in wheat (<i>Triticum aestivum</i> L.) and sorghum (<i>Sorghum bicolor</i> L.). <i>Plant, Cell and Environment</i> , 2010 , 33, 1152-60	8.4	24
30	A comparison of the dietary arsenic exposures from ingestion of contaminated soil and hyperaccumulating <i>Pteris</i> ferns used in a residential phytoremediation project. <i>International Journal of Phytoremediation</i> , 2010 , 12, 121-32	3.9	20
29	Increased Cyanoalanine synthase and asparaginase activity in nitrogen-deprived wheat exposed to cyanide. <i>Journal of Plant Nutrition and Soil Science</i> , 2010 , 173, 808-810	2.3	15
28	The exchangeability and leachability of metals from select green roof growth substrates. <i>Urban Ecosystems</i> , 2010 , 13, 91-111	2.8	42
27	Solubilization of heavy metals from gold ore by adjuvants used during gold phytomining. <i>Minerals Engineering</i> , 2010 , 23, 819-822	4.9	15
26	Cadmium sorption, influx, and efflux at the mesophyll layer of leaves from ecotypes of the Zn/Cd hyperaccumulator <i>Thlaspi caerulescens</i> . <i>New Phytologist</i> , 2009 , 181, 626-36	9.8	36
25	Transport of ferrocyanide by two eucalypt species and sorghum. <i>International Journal of Phytoremediation</i> , 2008 , 10, 343-57	3.9	46
24	Transport of Cd and Zn to seeds of Indian mustard (<i>Brassica juncea</i>) during specific stages of plant growth and development. <i>Physiologia Plantarum</i> , 2008 , 132, 69-78	4.6	24
23	Cadmium and zinc induced chlorosis in Indian mustard [<i>Brassica juncea</i> (L.) Czern] involves preferential loss of chlorophyll b. <i>Photosynthetica</i> , 2008 , 46, 49-55	2.2	64
22	A screen of some native Australian flora and exotic agricultural species for their potential application in cyanide-induced phytoextraction of gold. <i>Minerals Engineering</i> , 2007 , 20, 1327-1330	4.9	24
21	Cadmium accumulation in deer tongue grass (<i>Panicum clandestinum</i> L.) and potential for trophic transfer to microtine rodents. <i>Environmental Pollution</i> , 2007 , 148, 580-9	9.3	3
20	Parameter estimation of a plant uptake model for cyanide: application to hydroponic data. <i>International Journal of Phytoremediation</i> , 2006 , 8, 45-62	3.9	9
19	Development of a plant uptake model for cyanide. <i>International Journal of Phytoremediation</i> , 2006 , 8, 25-43	3.9	15

18	Cultivation of garden vegetables in Peoria Pool sediments from the Illinois River: a case study in trace element accumulation and dietary exposures. <i>Environment International</i> , 2006 , 32, 766-74	12.9	20
17	The influence of lead and arsenite on the inhibition of human breast cancer MCF-7 cell proliferation by American ginseng root (<i>Panax quinquefolius</i> L.). <i>Life Sciences</i> , 2006 , 78, 1336-40	6.8	21
16	Simplified extraction of ginsenosides from American ginseng (<i>Panax quinquefolius</i> L.) for high-performance liquid chromatography-ultraviolet analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 9867-73	5.7	72
15	Cyanide Cycle in Nature 2005 , 225-236		3
14	Plant Tissue Extraction Method for Complexed and Free Cyanide. <i>Water, Air, and Soil Pollution</i> , 2004 , 157, 281-293	2.6	3
13	Biological degradation of cyanide compounds. <i>Current Opinion in Biotechnology</i> , 2004 , 15, 231-6	11.4	191
12	Transport and metabolism of free cyanide and iron cyanide complexes by willow. <i>Plant, Cell and Environment</i> , 2003 , 26, 1467-1478	8.4	72
11	Phytochelatin synthesis is not responsible for Cd tolerance in the Zn/Cd hyperaccumulator <i>Thlaspi caerulescens</i> (J. & C. Presl). <i>Planta</i> , 2002 , 214, 635-40	4.7	176
10	Phytoremediation of Iron Cyanide Complexes in Soil-Water Systems. <i>Soil and Sediment Contamination</i> , 2002 , 11, 458-458	3.2	
9	Uptake of Cesium-137 and Strontium-90 from Contaminated Soil by Three Plant Species; Application to Phytoremediation. <i>Journal of Environmental Quality</i> , 2002 , 31, 904	3.4	46
8	Uranium Speciation, Plant Uptake, and Phytoremediation. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2001 , 5, 130-135		12
7	Molecular physiology of zinc transport in the Zn hyperaccumulator <i>Thlaspi caerulescens</i> . <i>Journal of Experimental Botany</i> , 2000 , 51, 71-79	7	249
6	The molecular physiology of heavy metal transport in the Zn/Cd hyperaccumulator <i>Thlaspi caerulescens</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4956-60	11.5	623
5	Phytoextraction of Zinc by Oat (<i>Avena sativa</i>), Barley (<i>Hordeum vulgare</i>), and Indian Mustard (<i>Brassica juncea</i>). <i>Environmental Science & Technology</i> , 1998 , 32, 802-806	10.3	266
4	Role of uranium speciation in the uptake and translocation of uranium by plants. <i>Journal of Experimental Botany</i> , 1998 , 49, 1183-1190	7	209
3	The Effect of Acidification and Chelating Agents on the Solubilization of Uranium from Contaminated Soil. <i>Journal of Environmental Quality</i> , 1998 , 27, 1486-1494	3.4	46
2	Phytoremediation of a Radiocesium-Contaminated Soil: Evaluation of Cesium-137 Bioaccumulation in the Shoots of Three Plant Species. <i>Journal of Environmental Quality</i> , 1998 , 27, 165-169	3.4	132
1	Toxicity of Zinc and Copper to Brassica Species: Implications for Phytoremediation. <i>Journal of Environmental Quality</i> , 1997 , 26, 776-781	3.4	364

