

Karen D Bradham

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,339
citations

361413

20
h-index

345221

36
g-index

37
all docs

37
docs citations

37
times ranked

1603
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic and Environmental Health: State of the Science and Future Research Opportunities. <i>Environmental Health Perspectives</i> , 2016, 124, 890-899.	6.0	235
2	Relative Bioavailability and Bioaccessibility and Speciation of Arsenic in Contaminated Soils. <i>Environmental Health Perspectives</i> , 2011, 119, 1629-1634.	6.0	156
3	American Healthy Homes Survey: A National Study of Residential Pesticides Measured from Floor Wipes. <i>Environmental Science & Technology</i> , 2009, 43, 4294-4300.	10.0	129
4	EFFECT OF SOIL PROPERTIES ON LEAD BIOAVAILABILITY AND TOXICITY TO EARTHWORMS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 769.	4.3	117
5	Variability Associated with As in Vivo "in Vitro Correlations When Using Different Bioaccessibility Methodologies. <i>Environmental Science & Technology</i> , 2014, 48, 11646-11653.	10.0	69
6	In vivo and in vitro methods for evaluating soil arsenic bioavailability: relevant to human health risk assessment. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018, 21, 83-114.	6.5	45
7	Independent Data Validation of an in Vitro Method for the Prediction of the Relative Bioavailability of Arsenic in Contaminated Soils. <i>Environmental Science & Technology</i> , 2015, 49, 6312-6318.	10.0	43
8	Development of a terrestrial vertebrate model for assessing bioavailability of cadmium in the fence lizard (<i>Sceloporus undulatus</i>) and in ovo effects on hatchling size and thyroid function. <i>Chemosphere</i> , 2004, 54, 1643-1651.	8.2	41
9	Role of complex organic arsenicals in food in aggregate exposure to arsenic. <i>Journal of Environmental Sciences</i> , 2016, 49, 86-96.	6.1	41
10	Long-Term in Situ Reduction in Soil Lead Bioavailability Measured in a Mouse Model. <i>Environmental Science & Technology</i> , 2018, 52, 13908-13913.	10.0	41
11	EVALUATING THE CONTRIBUTION OF SOIL PROPERTIES TO MODIFYING LEAD PHYTOAVAILABILITY AND PHYTOTOXICITY. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 719.	4.3	39
12	Mouse Assay for Determination of Arsenic Bioavailability in Contaminated Soils. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 815-826.	2.3	36
13	Predicting oral relative bioavailability of arsenic in soil from in vitro bioaccessibility. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 165-173.	2.3	36
14	Relationship Between Total and Bioaccessible Lead on Children's Blood Lead Levels in Urban Residential Philadelphia Soils. <i>Environmental Science & Technology</i> , 2017, 51, 10005-10011.	10.0	30
15	Bioavailable soil Pb minimized by in situ transformation to plumbojarosite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30
16	Arsenic Speciation of Contaminated Soils/Solid Wastes and Relative Oral Bioavailability in Swine and Mice. <i>Soil Systems</i> , 2018, 2, 27.	2.6	29
17	Estimating relative bioavailability of soil lead in the mouse. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 1179-1182.	2.3	24
18	Dietary Lead and Phosphate Interactions Affect Oral Bioavailability of Soil Lead in the Mouse. <i>Environmental Science & Technology</i> , 2019, 53, 12556-12564.	10.0	24

#	ARTICLE	IF	CITATIONS
19	Assessing the Bioavailability and Risk from Metal-Contaminated Soils and Dusts. Human and Ecological Risk Assessment (HERA), 2014, 20, 272-286.	3.4	23
20	High Lead Bioavailability of Indoor Dust Contaminated with Paint Lead Species. Environmental Science & Technology, 2021, 55, 402-411.	10.0	23
21	Total and Bioaccessible Soil Arsenic and Lead Levels and Plant Uptake in Three Urban Community Gardens in Puerto Rico. Geosciences (Switzerland), 2018, 8, 43.	2.2	13
22	Interconnected soil iron and arsenic speciation effects on arsenic bioaccessibility and bioavailability: a scoping review. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2022, 25, 1-22.	6.5	13
23	Plumbojarosite Remediation of Soil Affects Lead Speciation and Elemental Interactions in Soil and in Mice Tissues. Environmental Science & Technology, 2021, 55, 15950-15960.	10.0	13
24	Comparison of mouse and swine bioassays for determination of soil arsenic relative bioavailability. Applied Geochemistry, 2018, 88, 221-225.	3.0	10
25	Lead speciation, bioaccessibility and source attribution in Missouri's Big River watershed. Applied Geochemistry, 2020, 123, 104757.	3.0	10
26	An overview of measurement method tools available to communities for conducting exposure and cumulative risk assessments. Journal of Exposure Science and Environmental Epidemiology, 2010, 20, 359-370.	3.9	9
27	Scientific Issues in the U.S. EPA Framework for Metals Risk Assessment. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 108-113.	2.3	9
28	In vitro bioaccessibility of copper azole following simulated dermal transfer from pressure-treated wood. Science of the Total Environment, 2017, 598, 413-420.	8.0	9
29	Improving the predictive value of bioaccessibility assays and their use to provide mechanistic insights into bioavailability for toxic metals/metalloids – A research prospectus. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2021, 24, 307-324.	6.5	9
30	Intra- and Interlaboratory Evaluation of an Assay of Soil Arsenic Relative Bioavailability in Mice. Journal of Agricultural and Food Chemistry, 2020, 68, 2615-2622.	5.2	7
31	Assessment of the bioaccessibility of micronized copper wood in synthetic stomach fluid. Environmental Nanotechnology, Monitoring and Management, 2015, 4, 85-92.	2.9	6
32	Relating soil geochemical properties to arsenic bioaccessibility through hierarchical modeling. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 160-172.	2.3	5
33	Bioaccessibility of arsenic from contaminated soils and alteration of the gut microbiome in an in vitro gastrointestinal model. Environmental Pollution, 2022, 309, 119753.	7.5	5
34	Elevated Arsenic and Lead Concentrations in Natural Healing Clay Applied Topically as a Treatment for Ulcerative Dermatitis in Mice. Journal of the American Association for Laboratory Animal Science, 2020, 59, 212-220.	1.2	3
35	Ingestion of remediated lead-contaminated soils affects the fecal microbiome of mice. Science of the Total Environment, 2022, 837, 155797.	8.0	3
36	Evaluation of a low-cost commercially available extraction device for assessing lead bioaccessibility in contaminated soils. Environmental Sciences: Processes and Impacts, 2013, 15, 573.	3.5	2

#	ARTICLE	IF	CITATIONS
37	Evaluating the mouse model for estimation of arsenic bioavailability: Comparison of estimates of absolute bioavailability of inorganic arsenic in mouse, humans, and other species. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2022, 85, 815-825.	2.3	2