Karen D Bradham

List of Publications by Year
in descending order

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	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
2	Ingestion of remediated lead-contaminated soils affects the fecal microbiome of mice. Science of the Total Environment, 2022, 837, 155797.	8.0	3
3	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
4	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
5	Improving the predictive value of bioaccessibility assays and their use to provide mechanistic insights into bioavailability for toxic metals/metalloids â€“ A research prospectus. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2021, 24, 307-324.	6.5	9
6	High Lead Bioavailability of Indoor Dust Contaminated with Paint Lead Species. Environmental Science & Technology, 2021, 55, 402-411.	10.0	23
7	Bioavailable soil Pb minimized by in situ transformation to plumbojarosite. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
8	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
9	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
10	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
11	Lead speciation, bioaccessibility and source attribution in Missouri's Big River watershed. Applied Geochemistry, 2020, 123, 104757.	3.0	10
12	Dietary Lead and Phosphate Interactions Affect Oral Bioavailability of Soil Lead in the Mouse. Environmental Science & Technology, 2019, 53, 12556-12564.	10.0	24
13	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
14	In vivo and in vitro methods for evaluating soil arsenic bioavailability: relevant to human health risk assessment. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2018, 21, 83-114.	6.5	45
15	Comparison of mouse and swine bioassays for determination of soil arsenic relative bioavailability. Applied Geochemistry, 2018, 88, 221-225.	3.0	10
16	Long-Term in Situ Reduction in Soil Lead Bioavailability Measured in a Mouse Model. Environmental Science & Technology, 2018, 52, 13908-13913.	10.0	41
17	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
18	Arsenic Speciation of Contaminated Soils/Solid Wastes and Relative Oral Bioavailability in Swine and Mice. Soil Systems, 2018, 2, 27.	2.6	29

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19	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
20	Relationship Between Total and Bioaccessible Lead on Childrenâ€™s Blood Lead Levels in Urban Residential Philadelphia Soils. Environmental Science & Technology, 2017, 51, 10005-10011.	10.0	30
21	Arsenic and Environmental Health: State of the Science and Future Research Opportunities. Environmental Health Perspectives, 2016, 124, 890-899.	6.0	235
22	Predicting oral relative bioavailability of arsenic in soil from in vitro bioaccessibility. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2016, 79, 165-173.	2.3	36
23	Role of complex organic arsenicals in food in aggregate exposure to arsenic. Journal of Environmental Sciences, 2016, 49, 86-96.	6.1	41
24	Estimating relative bioavailability of soil lead in the mouse. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2016, 79, 1179-1182.	2.3	24
25	Independent Data Validation of an in Vitro Method for the Prediction of the Relative Bioavailability of Arsenic in Contaminated Soils. Environmental Science & Technology, 2015, 49, 6312-6318.	10.0	43
26	Assessment of the bioaccessibility of micronized copper wood in synthetic stomach fluid. Environmental Nanotechnology, Monitoring and Management, 2015, 4, 85-92.	2.9	6
27	Assessing the Bioavailability and Risk from Metal-Contaminated Soils and Dusts. Human and Ecological Risk Assessment (HERA), 2014, 20, 272-286.	3.4	23
28	Variability Associated with As in Vivoâ€“in Vitro Correlations When Using Different Bioaccessibility Methodologies. Environmental Science & Technology, 2014, 48, 11646-11653.	10.0	69
29	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
30	Mouse Assay for Determination of Arsenic Bioavailability in Contaminated Soils. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2013, 76, 815-826.	2.3	36
31	Relative Bioavailability and Bioaccessibility and Speciation of Arsenic in Contaminated Soils. Environmental Health Perspectives, 2011, 119, 1629-1634.	6.0	156
32	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
33	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
34	American Healthy Homes Survey: A National Study of Residential Pesticides Measured from Floor Wipes. Environmental Science & Technology, 2009, 43, 4294-4300.	10.0	129
35	EVALUATING THE CONTRIBUTION OF SOIL PROPERTIES TO MODIFYING LEAD PHYTOAVAILABILITY AND PHYTOTOXICITY. Environmental Toxicology and Chemistry, 2006, 25, 719.	4.3	39
36	EFFECT OF SOIL PROPERTIES ON LEAD BIOAVAILABILITY AND TOXICITY TO EARTHWORMS. Environmental Toxicology and Chemistry, 2006, 25, 769.	4.3	117

#	Article	IF	Citations
37	Development of a terrestrial vertebrate model for assessing bioavailability of cadmium in the fence lizard (Sceloporus undulatus) and in ovo effects on hatchling size and thyroid function. Chemosphere, 2004, 54, 1643-1651.	8.2	41