

Dane T Lamb

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,711
citations

201385

27
h-index

189595

50
g-index

74
all docs

74
docs citations

74
times ranked

3137
citing authors

#	ARTICLE	IF	CITATIONS
1	Remediation of Frogmore Mine Spoiled Soil with Nano Enhanced Materials. <i>Soil and Sediment Contamination</i> , 2022, 31, 367-385.	1.1	2
2	Phosphorus application enhances alkane hydroxylase gene abundance in the rhizosphere of wild plants grown in petroleum-hydrocarbon-contaminated soil. <i>Environmental Research</i> , 2022, 204, 111924.	3.7	10
3	Rare earth elements (REE) for the removal and recovery of phosphorus: A review. <i>Chemosphere</i> , 2022, 286, 131661.	4.2	43
4	Adsorption–Desorption Behavior of Arsenate Using Single and Binary Iron-Modified Biochars: Thermodynamics and Redox Transformation. <i>ACS Omega</i> , 2022, 7, 101-117.	1.6	14
5	Selenium Accumulation and Speciation in Chickpea (<i>Cicer arietinum</i>) Impacted by S in Soils: Potential for Biofortification. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 135-143.	1.0	2
6	Soil washing of arsenic from mixed contaminated abandoned mine soils and fate of arsenic after washing. <i>Chemosphere</i> , 2022, 296, 134053.	4.2	12
7	Antimony speciation, phytochelatin stimulation and toxicity in plants. <i>Environmental Pollution</i> , 2022, 305, 119305.	3.7	13
8	Impact of Sulfur on Biofortification and Speciation of Selenium in Wheat Grain Grown in Selenium-Deficient Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 3243-3253.	1.7	2
9	Tooeelite Transformation and Coupled As(III) Mobilization Are Induced by Fe(II) under Anoxic, Circumneutral Conditions. <i>Environmental Science & Technology</i> , 2022, 56, 9446-9452.	4.6	2
10	Remediation of Pb-contaminated soil using modified bauxite refinery residue. <i>Journal of Hazardous Materials</i> , 2022, 437, 129339.	6.5	8
11	Rhizoremediation as a green technology for the remediation of petroleum hydrocarbon-contaminated soils. <i>Journal of Hazardous Materials</i> , 2021, 401, 123282.	6.5	94
12	Removal of arsenate from contaminated waters by novel zirconium and zirconium-iron modified biochar. <i>Journal of Hazardous Materials</i> , 2021, 409, 124488.	6.5	84
13	Arsenic geochemistry and mineralogy as a function of particle-size in naturally arsenic-enriched soils. <i>Journal of Hazardous Materials</i> , 2021, 403, 123931.	6.5	45
14	The influence of long-term ageing on arsenic ecotoxicity in soil. <i>Journal of Hazardous Materials</i> , 2021, 407, 124819.	6.5	15
15	Sorption of PFOS in 114 Well-Characterized Tropical and Temperate Soils: Application of Multivariate and Artificial Neural Network Analyses. <i>Environmental Science & Technology</i> , 2021, 55, 1779-1789.	4.6	36
16	Antimonate sequestration from aqueous solution using zirconium, iron and zirconium-iron modified biochars. <i>Scientific Reports</i> , 2021, 11, 8113.	1.6	9
17	Transformation of Antimonate at the Biochar–Solution Interface. <i>ACS ES&T Water</i> , 2021, 1, 2029-2036.	2.3	10
18	Arsenic-Imposed Effects on Schwertmannite and Jarosite Formation in Acid Mine Drainage and Coupled Impacts on Arsenic Mobility. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1418-1435.	1.2	35

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19	Biofilms Enhance the Adsorption of Toxic Contaminants on Plastic Microfibers under Environmentally Relevant Conditions. <i>Environmental Science & Technology</i> , 2021, 55, 8877-8887.	4.6	108
20	Health Risk Assessment of Arsenic, Manganese, and Iron from Drinking Water for High School Children. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	6
21	Petroleum hydrocarbon rhizoremediation and soil microbial activity improvement via cluster root formation by wild proteaceae plant species. <i>Chemosphere</i> , 2021, 275, 130135.	4.2	13
22	Mitigation of petroleum-hydrocarbon-contaminated hazardous soils using organic amendments: A review. <i>Journal of Hazardous Materials</i> , 2021, 416, 125702.	6.5	46
23	Arsenic bioaccessibility and fractionation in abandoned mine soils from selected sites in New South Wales, Australia and human health risk assessment. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112611.	2.9	16
24	Are root elongation assays suitable for establishing metallic anion ecotoxicity thresholds?. <i>Journal of Hazardous Materials Letters</i> , 2021, 2, 100024.	2.0	2
25	Response of phosphorus sensitive plants to arsenate. <i>Environmental Technology and Innovation</i> , 2021, 24, 102008.	3.0	4
26	Kinetics, Isotherms and Adsorption-Desorption Behavior of Phosphorus from Aqueous Solution Using Zirconium-Iron and Iron Modified Biosolid Biochars. <i>Water (Switzerland)</i> , 2021, 13, 3320.	1.2	9
27	The application of rapid handheld FTIR petroleum hydrocarbon-contaminant measurement with transport models for site assessment: A case study. <i>Geoderma</i> , 2020, 361, 114017.	2.3	15
28	Geochemical fractionation and mineralogy of metal(loid)s in abandoned mine soils: Insights into arsenic behaviour and implications to remediation. <i>Journal of Hazardous Materials</i> , 2020, 399, 123029.	6.5	29
29	Application of Ion Selective Electrode array to simultaneously determinate multi-free ions in solution. <i>Environmental Technology and Innovation</i> , 2019, 15, 100424.	3.0	9
30	Waste to watt: Anaerobic digestion of wastewater irrigated biomass for energy and fertiliser production. <i>Journal of Environmental Management</i> , 2019, 239, 73-83.	3.8	34
31	Effects of the ephemeral stream on plant species diversity and distribution in an alluvial fan of arid desert region: An application of a low altitude UAV. <i>PLoS ONE</i> , 2019, 14, e0212057.	1.1	5
32	Application of infrared spectrum for rapid classification of dominant petroleum hydrocarbon fractions for contaminated site assessment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 207, 183-188.	2.0	7
33	Comparative values of various wastewater streams as a soil nutrient source. <i>Chemosphere</i> , 2018, 192, 272-281.	4.2	24
34	Cadmium solubility and bioavailability in soils amended with acidic and neutral biochar. <i>Science of the Total Environment</i> , 2018, 610-611, 1457-1466.	3.9	74
35	Copper interactions on arsenic bioavailability and phytotoxicity in soil. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 738-746.	2.9	16
36	Pyrogenic carbon in Australian soils. <i>Science of the Total Environment</i> , 2017, 586, 849-857.	3.9	13

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37	Interaction effects of As, Cd and Pb on their respective bioaccessibility with time in co-contaminated soils assessed by the Unified BARGE Method. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5585-5594.	2.7	9
38	Novel recalibration methodologies for ion-selective electrode arrays in the multi-ion interference scenario. <i>Journal of Chemometrics</i> , 2017, 31, e2870.	0.7	3
39	Effects of acidic and neutral biochars on properties and cadmium retention of soils. <i>Chemosphere</i> , 2017, 180, 564-573.	4.2	60
40	Issues raised by the reference doses for perfluorooctane sulfonate and perfluorooctanoic acid. <i>Environment International</i> , 2017, 105, 86-94.	4.8	38
41	Pyrogenic carbon and its role in contaminant immobilization in soils. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 795-876.	6.6	72
42	Evaluation of relative bioaccessibility leaching procedure for an assessment of lead bioavailability in mixed metal contaminated soils. <i>Environmental Technology and Innovation</i> , 2017, 7, 229-238.	3.0	6
43	Zinc-arsenic interactions in soil: Solubility, toxicity and uptake. <i>Chemosphere</i> , 2017, 187, 357-367.	4.2	22
44	Thermal stability of biochar and its effects on cadmium sorption capacity. <i>Bioresource Technology</i> , 2017, 246, 48-56.	4.8	69
45	Phytocapping of Mine Waste at Derelict Mine Sites in New South Wales. , 2017, , 215-239.		5
46	Effects of arsenic and cadmium on bioaccessibility of lead in spiked soils assessed by Unified BARGE Method. <i>Chemosphere</i> , 2016, 154, 343-349.	4.2	7
47	Predicting copper phytotoxicity based on pore-water pCu. <i>Ecotoxicology</i> , 2016, 25, 481-490.	1.1	11
48	Predicting plant uptake and toxicity of lead (Pb) in long-term contaminated soils from derived transfer functions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15460-15470.	2.7	11
49	Simultaneously determining multi-metal ions using an ion selective electrode array system. <i>Environmental Technology and Innovation</i> , 2016, 6, 165-176.	3.0	17
50	Predicting plant uptake of cadmium: validated with long-term contaminated soils. <i>Ecotoxicology</i> , 2016, 25, 1563-1574.	1.1	23
51	Bioaccessibility of barium from barite contaminated soils based on gastric phase in vitro data and plant uptake. <i>Chemosphere</i> , 2016, 144, 1421-1427.	4.2	19
52	Pore-Water Carbonate and Phosphate As Predictors of Arsenate Toxicity in Soil. <i>Environmental Science & Technology</i> , 2016, 50, 13062-13069.	4.6	15
53	Competitive sorption of cadmium and zinc in contrasting soils. <i>Geoderma</i> , 2016, 268, 60-68.	2.3	47
54	Sorption parameters as a predictor of arsenic phytotoxicity in Australian soils. <i>Geoderma</i> , 2016, 265, 103-110.	2.3	34

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55	Bioaccessibility of arsenic and cadmium assessed for in vitro bioaccessibility in spiked soils and their interaction during the Unified BARGE Method (UBM) extraction. <i>Chemosphere</i> , 2016, 147, 444-450.	4.2	38
56	Influence of ageing on lead bioavailability in soils: a swine study. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8979-8988.	2.7	19
57	Application of mathematical models and genetic algorithm to simulate the response characteristics of an ion selective electrode array for system recalibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 144, 24-30.	1.8	9
58	Novel methodologies for automatically and simultaneously determining BTEX components using FTIR spectra. <i>Talanta</i> , 2015, 144, 1104-1110.	2.9	12
59	Pore-water chemistry explains zinc phytotoxicity in soil. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 252-259.	2.9	27
60	Using soil properties to predict in vivo bioavailability of lead in soils. <i>Chemosphere</i> , 2015, 138, 422-428.	4.2	27
61	Phytocapping: An Alternative Technology for the Sustainable Management of Landfill Sites. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 561-637.	6.6	50
62	Comparative Sorption and Mobility of Cr(III) and Cr(VI) Species in a Range of Soils: Implications to Bioavailability. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	50
63	Bioavailability of Barium to Plants and Invertebrates in Soils Contaminated by Barite. <i>Environmental Science & Technology</i> , 2013, 47, 4670-4676.	4.6	66
64	Bioavailability of lead in contaminated soil depends on the nature of bioreceptor. <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 344-350.	2.9	25
65	Copper phytotoxicity in native and agronomical plant species. <i>Ecotoxicology and Environmental Safety</i> , 2012, 85, 23-29.	2.9	41
66	Use of Biosolids for Phytocapping of Landfill Soil. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2695-2705.	1.1	27
67	Natural Attenuation of Zn, Cu, Pb and Cd in Three Biosolids-Amended Soils of Contrasting pH Measured Using Rhizon Pore Water Samplers. <i>Water, Air, and Soil Pollution</i> , 2011, 221, 351-363.	1.1	24
68	Role of organic amendments on enhanced bioremediation of heavy metal(loid) contaminated soils. <i>Journal of Hazardous Materials</i> , 2011, 185, 549-574.	6.5	750
69	Phytotoxicity and Accumulation of Lead in Australian Native Vegetation. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 613-621.	2.1	18
70	Relative Tolerance of a Range of Australian Native Plant Species and Lettuce to Copper, Zinc, Cadmium, and Lead. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 59, 424-432.	2.1	32
71	Heavy metal (Cu, Zn, Cd and Pb) partitioning and bioaccessibility in uncontaminated and long-term contaminated soils. <i>Journal of Hazardous Materials</i> , 2009, 171, 1150-1158.	6.5	108
72	Copper behaviour in a Podsol. 1. pH-dependent sorption - desorption, sorption isotherm analysis, and aqueous speciation modelling. <i>Soil Research</i> , 2005, 43, 491.	0.6	16

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73	Copper behaviour in a Podsol. 2. Sorption reversibility, geochemical partitioning, and column leaching. <i>Soil Research</i> , 2005, 43, 503.	0.6	9
74	Effects of pH and Salinity on Copper, Lead, and Zinc Sorption Rates in Sediments from Moreton Bay, Australia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2004, 73, 1041-1048.	1.3	29