

E Louise Ander

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,937
citations

185998

28
h-index

182168

51
g-index

86
all docs

86
docs citations

86
times ranked

3144
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling food fortification contributions to micronutrient requirements in Malawi using Household Consumption and Expenditure Surveys. <i>Annals of the New York Academy of Sciences</i> , 2022, 1508, 105-122.	1.8	15
2	Systematic review of metrics used to characterise dietary nutrient supply from household consumption and expenditure surveys. <i>Public Health Nutrition</i> , 2022, 25, 1153-1165.	1.1	6
3	Mineral micronutrient status and spatial distribution among the Ethiopian population. <i>British Journal of Nutrition</i> , 2022, , 1-30.	1.2	1
4	Soil and landscape factors influence geospatial variation in maize grain zinc concentration in Malawi. <i>Scientific Reports</i> , 2022, 12, 7986.	1.6	10
5	Agronomic iodine biofortification of leafy vegetables grown in Vertisols, Oxisols and Alfisols. <i>Environmental Geochemistry and Health</i> , 2021, 43, 361-374.	1.8	15
6	Spatial analysis of urine zinc (Zn) concentration for women of reproductive age and school age children in Malawi. <i>Environmental Geochemistry and Health</i> , 2021, 43, 259-271.	1.8	4
7	Zinc deficiency is highly prevalent and spatially dependent over short distances in Ethiopia. <i>Scientific Reports</i> , 2021, 11, 6510.	1.6	27
8	The nutritional quality of cereals varies geospatially in Ethiopia and Malawi. <i>Nature</i> , 2021, 594, 71-76.	13.7	104
9	A spatial analysis of lime resources and their potential for improving soil magnesium concentrations and pH in grassland areas of England and Wales. <i>Scientific Reports</i> , 2021, 11, 20420.	1.6	3
10	Biofortified Maize Improves Selenium Status of Women and Children in a Rural Community in Malawi: Results of the Addressing Hidden Hunger With Agronomy Randomized Controlled Trial. <i>Frontiers in Nutrition</i> , 2021, 8, 788096.	1.6	4
11	Urine selenium concentration is a useful biomarker for assessing population level selenium status. <i>Environment International</i> , 2020, 134, 105218.	4.8	37
12	Agronomic biofortification of leafy vegetables grown in an Oxisol, Alfisol and Vertisol with isotopically labelled selenium (⁷⁷ Se). <i>Geoderma</i> , 2020, 361, 114106.	2.3	14
13	Magnesium biofortification of Italian ryegrass (<i>Lolium multiflorum</i> L.) via agronomy and breeding as a potential way to reduce grass tetany in grazing ruminants. <i>Plant and Soil</i> , 2020, 457, 25-41.	1.8	11
14	Increasing zinc concentration in maize grown under contrasting soil types in Malawi through agronomic biofortification: Trial protocol for a field experiment to detect small effect sizes. <i>Plant Direct</i> , 2020, 4, e00277.	0.8	9
15	Biofortification of wheat with zinc for eliminating deficiency in Pakistan: study protocol for a cluster-randomised, double-blind, controlled effectiveness study (BIZIFED2). <i>BMJ Open</i> , 2020, 10, e039231.	0.8	25
16	Spatial prediction of the concentration of selenium (Se) in grain across part of Amhara Region, Ethiopia. <i>Science of the Total Environment</i> , 2020, 733, 139231.	3.9	24
17	Selenium Deficiency Is Widespread and Spatially Dependent in Ethiopia. <i>Nutrients</i> , 2020, 12, 1565.	1.7	22
18	Short-Term Iodine Dynamics in Soil Solution. <i>Environmental Science & Technology</i> , 2020, 54, 1443-1450.	4.6	12

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19	Selenium biofortification of crops on a Malawi Alfisol under conservation agriculture. <i>Geoderma</i> , 2020, 369, 114315.	2.3	21
20	Selenium deficiency risks in sub-Saharan African food systems and their geospatial linkages. <i>Proceedings of the Nutrition Society</i> , 2020, 79, 457-467.	0.4	37
21	A reconnaissance survey of farmers's awareness of hypomagnesaemic tetany in UK cattle and sheep farms. <i>PLoS ONE</i> , 2019, 14, e0223868.	1.1	6
22	Combining two national-scale datasets to map soil properties, the case of available magnesium in England and Wales. <i>European Journal of Soil Science</i> , 2019, 70, 361-377.	1.8	15
23	Iodine bioavailability in acidic soils of Northern Ireland. <i>Geoderma</i> , 2019, 348, 97-106.	2.3	13
24	Investigating the use of microdialysis and SEC-UV-ICP-MS to assess iodine interactions in soil solution. <i>Chemosphere</i> , 2019, 229, 41-50.	4.2	8
25	The risk of selenium deficiency in Malawi is large and varies over multiple spatial scales. <i>Scientific Reports</i> , 2019, 9, 6566.	1.6	67
26	Iodine uptake, storage and translocation mechanisms in spinach (<i>Spinacia oleracea</i> L.). <i>Environmental Geochemistry and Health</i> , 2019, 41, 2145-2156.	1.8	26
27	Can selenium deficiency in Malawi be alleviated through consumption of agro-biofortified maize flour? Study protocol for a randomised, double-blind, controlled trial. <i>Trials</i> , 2019, 20, 795.	0.7	20
28	Title is missing!. , 2019, 14, e0223868.		0
29	Title is missing!. , 2019, 14, e0223868.		0
30	Title is missing!. , 2019, 14, e0223868.		0
31	Title is missing!. , 2019, 14, e0223868.		0
32	Title is missing!. , 2019, 14, e0223868.		0
33	Title is missing!. , 2019, 14, e0223868.		0
34	Iodine soil dynamics and methods of measurement: a review. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 288-310.	1.7	18
35	The singularity index for soil geochemical variables, and a mixture model for its interpretation. <i>Geoderma</i> , 2018, 323, 83-106.	2.3	9
36	The Collection of Drainage Samples for Environmental Analyses From Active Stream Channels. , 2018, , 47-77.		1

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37	Data Conditioning of Environmental Geochemical Data: Quality Control Procedures Used in the British Geological Survey's Regional Geochemical Mapping Project. , 2018, , 79-101.		3
38	Optimisation of a current generation ICP-QMS and benchmarking against MC-ICP-MS spectrometry for the determination of lead isotope ratios in environmental samples. Journal of Analytical Atomic Spectrometry, 2018, 33, 2184-2194.	1.6	7
39	Prevalence of inherited blood disorders and associations with malaria and anemia in Malawian children. Blood Advances, 2018, 2, 3035-3044.	2.5	25
40	Linkage of national soil quality measurements to primary care medical records in England and Wales: a new resource for investigating environmental impacts on human health. Population Health Metrics, 2018, 16, 12.	1.3	0
41	Valuing increased zinc (Zn) fertiliser-use in Pakistan. Plant and Soil, 2017, 411, 139-150.	1.8	72
42	Historical trends in iodine and selenium in soil and herbage at the Park Grass Experiment, Rothamsted Research, UK. Soil Use and Management, 2017, 33, 252-262.	2.6	15
43	Elemental composition of Malawian rice. Environmental Geochemistry and Health, 2017, 39, 835-845.	1.8	28
44	Hazard Ranking Method for Populations Exposed to Arsenic in Private Water Supplies: Relation to Bedrock Geology. International Journal of Environmental Research and Public Health, 2017, 14, 1490.	1.2	6
45	Challenges and opportunities for Moringa growers in southern Ethiopia and Kenya. PLoS ONE, 2017, 12, e0187651.	1.1	16
46	Controls on surface water quality in the River Clyde catchment, Scotland, UK, with particular reference to chromium and lead. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2017, 108, 249-267.	0.3	3
47	Assessing threats to shallow groundwater quality from soil pollutants in Glasgow, UK: development of a new screening tool. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2017, 108, 173-190.	0.3	0
48	Variation in the mineral element concentration of Moringa oleifera Lam. and M. stenopetala (Bak. f.) Cuf.: Role in human nutrition. PLoS ONE, 2017, 12, e0175503.	1.1	43
49	Iodine binding to humic acid. Chemosphere, 2016, 157, 208-214.	4.2	30
50	Variability in the chemistry of private drinking water supplies and the impact of domestic treatment systems on water quality. Environmental Geochemistry and Health, 2016, 38, 1313-1332.	1.8	28
51	How does temporal variation affect the value of stream water as a medium for regional geochemical survey?. Journal of Geochemical Exploration, 2016, 169, 211-233.	1.5	4
52	Urinary arsenic profiles reveal exposures to inorganic arsenic from private drinking water supplies in Cornwall, UK. Scientific Reports, 2016, 6, 25656.	1.6	40
53	Liver copper concentrations in cull cattle in the UK: are cattle being copper loaded?. Veterinary Record, 2015, 177, 493-493.	0.2	34
54	Iodine source apportionment in the Malawian diet. Scientific Reports, 2015, 5, 15251.	1.6	28

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55	Dietary mineral supplies in Malawi: spatial and socioeconomic assessment. BMC Nutrition, 2015, 1, .	0.6	70
56	Global magnesium supply in the food chain. Crop and Pasture Science, 2015, 66, 1278.	0.7	21
57	Dietary iron intakes based on food composition data may underestimate the contribution of potentially exchangeable contaminant iron from soil. Journal of Food Composition and Analysis, 2015, 40, 19-23.	1.9	26
58	Dietary calcium and zinc deficiency risks are decreasing but remain prevalent. Scientific Reports, 2015, 5, 10974.	1.6	325
59	Zinc-enriched fertilisers as a potential public health intervention in Africa. Plant and Soil, 2015, 389, 1-24.	1.8	120
60	Soil type influences crop mineral composition in Malawi. Science of the Total Environment, 2015, 505, 587-595.	3.9	129
61	Dietary mineral supplies in Africa. Physiologia Plantarum, 2014, 151, 208-229.	2.6	178
62	Occurrence of molybdenum in British surface water and groundwater: Distributions, controls and implications for water supply. Applied Geochemistry, 2014, 40, 144-154.	1.4	48
63	Mapping trace element deficiency by cokriging from regional geochemical soil data: A case study on cobalt for grazing sheep in Ireland. Geoderma, 2014, 226-227, 64-78.	2.3	32
64	Lability of Pb in soil: effects of soil properties and contaminant source. Environmental Chemistry, 2014, 11, 690.	0.7	26
65	Risk of dietary magnesium deficiency is low in most African countries based on food supply data. Plant and Soil, 2013, 368, 129-137.	1.8	23
66	Methodology for the determination of normal background concentrations of contaminants in English soil. Science of the Total Environment, 2013, 454-455, 604-618.	3.9	132
67	Soil-type influences human selenium status and underlies widespread selenium deficiency risks in Malawi. Scientific Reports, 2013, 3, 1425.	1.6	104
68	Geogenic signatures detectable in topsoils of urban and rural domains in the London region, UK, using parent material classified data. Applied Geochemistry, 2013, 39, 169-180.	1.4	7
69	Regional variations of basal cell carcinoma incidence in the U.K. using The Health Improvement Network database (2004-10). British Journal of Dermatology, 2013, 169, 1093-1099.	1.4	24
70	A High Prevalence of Zinc- but not Iron-Deficiency among Women in Rural Malawi: a Cross-Sectional Study. International Journal for Vitamin and Nutrition Research, 2013, 83, 176-187.	0.6	43
71	Iodine dynamics in soils. Geochimica Et Cosmochimica Acta, 2012, 77, 457-473.	1.6	128
72	Dietary Requirements for Magnesium, but not Calcium, are Likely to be met in Malawi Based on National Food Supply Data. International Journal for Vitamin and Nutrition Research, 2012, 82, 192-199.	0.6	17

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73	Maize grain and soil surveys reveal suboptimal dietary selenium intake is widespread in Malawi. <i>Scientific Reports</i> , 2011, 1, 72.	1.6	115
74	A snapshot of environmental iodine and selenium in La Pampa and San Juan provinces of Argentina. <i>Journal of Geochemical Exploration</i> , 2010, 107, 87-93.	1.5	41
75	Arsenic retention and release in ombrotrophic peatlands. <i>Science of the Total Environment</i> , 2009, 407, 1405-1417.	3.9	59
76	Regional lead isotope study of a polluted river catchment: River Wear, Northern England, UK. <i>Science of the Total Environment</i> , 2009, 407, 4882-4893.	3.9	26
77	Urban geochemical mapping studies: how and why we do them. <i>Environmental Geochemistry and Health</i> , 2008, 30, 511-530.	1.8	62
78	THE COLLECTION OF DRAINAGE SAMPLES FOR ENVIRONMENTAL ANALYSES FROM ACTIVE STREAM CHANNELS. , 2008, , 59-92.		1
79	DATA CONDITIONING OF ENVIRONMENTAL GEOCHEMICAL DATA: QUALITY CONTROL PROCEDURES USED IN THE BRITISH GEOLOGICAL SURVEY'S REGIONAL GEOCHEMICAL MAPPING PROJECT. , 2008, , 93-118.		4
80	GSUE: urban geochemical mapping in Great Britain. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2005, 5, 325-336.	0.5	59
81	G-BASE: baseline geochemical mapping of Great Britain and Northern Ireland. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2005, 5, 347-357.	0.5	115
82	Influence of microbial hydroxamate siderophores on Pb(II) desorption from $\hat{\pm}$ -FeOOH. <i>Applied Geochemistry</i> , 2003, 18, 1751-1756.	1.4	31
83	Revealing the importance of groundwater for potable private water supplies in Wales. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 0, , qjgeh2021-078.	0.8	0
84	Folate Deficiency is Spatially Dependent and Associated with Local Farming Systems Among Women in Ethiopia. <i>Current Developments in Nutrition</i> , 0, , .	0.1	4