E Louise Ander

List of Publications by Year
in descending order

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	Dietary calcium and zinc deficiency risks are decreasing but remain prevalent. Scientific Reports, 2015, 5, 10974.	1.6	325
2	Dietary mineral supplies in Africa. Physiologia Plantarum, 2014, 151, 208-229.	2.6	178
3	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
4	Soil type influences crop mineral composition in Malawi. Science of the Total Environment, 2015, 505, 587-595.	3.9	129
5	Iodine dynamics in soils. Geochimica Et Cosmochimica Acta, 2012, 77, 457-473.	1.6	128
6	Zinc-enriched fertilisers as a potential public health intervention in Africa. Plant and Soil, 2015, 389, 1-24.	1.8	120
7	G-BASE: baseline geochemical mapping of Great Britain and Northern Ireland. Geochemistry: Exploration, Environment, Analysis, 2005, 5, 347-357.	0.5	115
8	Maize grain and soil surveys reveal suboptimal dietary selenium intake is widespread in Malawi. Scientific Reports, 2011, 1, 72.	1.6	115
9	Soil-type influences human selenium status and underlies widespread selenium deficiency risks in Malawi. Scientific Reports, 2013, 3, 1425.	1.6	104
10	The nutritional quality of cereals varies geospatially in Ethiopia and Malawi. Nature, 2021, 594, 71-76.	13.7	104
11	Valuing increased zinc (Zn) fertiliser-use in Pakistan. Plant and Soil, 2017, 411, 139-150.	1.8	72
12	Dietary mineral supplies in Malawi: spatial and socioeconomic assessment. BMC Nutrition, 2015, 1, .	0.6	70
13	The risk of selenium deficiency in Malawi is large and varies over multiple spatial scales. Scientific Reports, 2019, 9, 6566.	1.6	67
14	Urban geochemical mapping studies: how and why we do them. Environmental Geochemistry and Health, 2008, 30, 511-530.	1.8	62
15	GSUE: urban geochemical mapping in Great Britain. Geochemistry: Exploration, Environment, Analysis, 2005, 5, 325-336.	0.5	59
16	Arsenic retention and release in ombrotrophic peatlands. Science of the Total Environment, 2009, 407, 1405-1417.	3.9	59
17	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
18	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

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19	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
20	A snapshot of environmental iodine and selenium in La Pampa and San Juan provinces of Argentina. Journal of Geochemical Exploration, 2010, 107, 87-93.	1.5	41
21	Urinary arsenic profiles reveal exposures to inorganic arsenic from private drinking water supplies in Cornwall, UK. Scientific Reports, 2016, 6, 25656.	1.6	40
22	Urine selenium concentration is a useful biomarker for assessing population level selenium status. Environment International, 2020, 134, 105218.	4.8	37
23	Selenium deficiency risks in sub-Saharan African food systems and their geospatial linkages. Proceedings of the Nutrition Society, 2020, 79, 457-467.	0.4	37
24	Liver copper concentrations in cull cattle in the UK: are cattle being copper loaded?. Veterinary Record, 2015, 177, 493-493.	0.2	34
25	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
26	Influence of microbial hydroxamate siderophores on Pb(II) desorption from Î±-FeOOH. Applied Geochemistry, 2003, 18, 1751-1756.	1.4	31
27	Iodine binding to humic acid. Chemosphere, 2016, 157, 208-214.	4.2	30
28	Iodine source apportionment in the Malawian diet. Scientific Reports, 2015, 5, 15251.	1.6	28
29	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
30	Elemental composition of Malawian rice. Environmental Geochemistry and Health, 2017, 39, 835-845.	1.8	28
31	Zinc deficiency is highly prevalent and spatially dependent over short distances in Ethiopia. Scientific Reports, 2021, 11, 6510.	1.6	27
32	Regional lead isotope study of a polluted river catchment: River Wear, Northern England, UK. Science of the Total Environment, 2009, 407, 4882-4893.	3.9	26
33	Lability of Pb in soil: effects of soil properties and contaminant source. Environmental Chemistry, 2014, 11, 690.	0.7	26
34	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
35	Iodine uptake, storage and translocation mechanisms in spinach (Spinacia oleracea L.). Environmental Geochemistry and Health, 2019, 41, 2145-2156.	1.8	26
36	Prevalence of inherited blood disorders and associations with malaria and anemia in Malawian children. Blood Advances, 2018, 2, 3035-3044.	2.5	25

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37	Biofortification of wheat with zinc for eliminating deficiency in Pakistan: study protocol for a cluster-randomised, double-blind, controlled effectiveness study (BIZIFED2). BMJ Open, 2020, 10, e039231.	0.8	25
38	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
39	Spatial prediction of the concentration of selenium (Se) in grain across part of Amhara Region, Ethiopia. Science of the Total Environment, 2020, 733, 139231.	3.9	24
40	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
41	Selenium Deficiency Is Widespread and Spatially Dependent in Ethiopia. Nutrients, 2020, 12, 1565.	1.7	22
42	Global magnesium supply in the food chain. Crop and Pasture Science, 2015, 66, 1278.	0.7	21
43	Selenium biofortification of crops on a Malawi Alfisol under conservation agriculture. Geoderma, 2020, 369, 114315.	2.3	21
44	Can selenium deficiency in Malawi be alleviated through consumption of agro-biofortified maize flour? Study protocol for a randomised, double-blind, controlled trial. Trials, 2019, 20, 795.	0.7	20
45	Iodine soil dynamics and methods of measurement: a review. Environmental Sciences: Processes and Impacts, 2018, 20, 288-310.	1.7	18
46	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
47	Challenges and opportunities for Moringa growers in southern Ethiopia and Kenya. PLoS ONE, 2017, 12, e0187651.	1.1	16
48	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
49	Combining two nationalâ€scale datasets to map soil properties, the case of available magnesium in England and Wales. European Journal of Soil Science, 2019, 70, 361-377.	1.8	15
50	Agronomic iodine biofortification of leafy vegetables grown in Vertisols, Oxisols and Alfisols. Environmental Geochemistry and Health, 2021, 43, 361-374.	1.8	15
51	Modeling food fortification contributions to micronutrient requirements in Malawi using Household Consumption and Expenditure Surveys. Annals of the New York Academy of Sciences, 2022, 1508, 105-122.	1.8	15
52	Agronomic biofortification of leafy vegetables grown in an Oxisol, Alfisol and Vertisol with isotopically labelled selenium (77Se). Geoderma, 2020, 361, 114106.	2.3	14
53	Iodine bioavailability in acidic soils of Northern Ireland. Geoderma, 2019, 348, 97-106.	2.3	13
54	Short-Term Iodine Dynamics in Soil Solution. Environmental Science & Technology, 2020, 54, 1443-1450.	4.6	12

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55	Magnesium biofortification of Italian ryegrass (Lolium multiflorum L.) via agronomy and breeding as a potential way to reduce grass tetany in grazing ruminants. Plant and Soil, 2020, 457, 25-41.	1.8	11
56	Soil and landscape factors influence geospatial variation in maize grain zinc concentration in Malawi. Scientific Reports, 2022, 12, 7986.	1.6	10
57	The singularity index for soil geochemical variables, and a mixture model for its interpretation. Geoderma, 2018, 323, 83-106.	2.3	9
58	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. Plant Direct, 2020, 4, e00277.	0.8	9
59	Investigating the use of microdialysis and SEC-UV-ICP-MS to assess iodine interactions in soil solution. Chemosphere, 2019, 229, 41-50.	4.2	8
60	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
61	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
62	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
63	A reconnaissance survey of farmersâ€™ awareness of hypomagnesaemic tetany in UK cattle and sheep farms. PLoS ONE, 2019, 14, e0223868.	1.1	6
64	Systematic review of metrics used to characterise dietary nutrient supply from household consumption and expenditure surveys. Public Health Nutrition, 2022, 25, 1153-1165.	1.1	6
65	DATA CONDITIONING OF ENVIRONMENTAL GEOCHEMICAL DATA: QUALITY CONTROL PROCEDURES USED IN THE BRITISH GEOLOGICAL SURVEY'S REGIONAL GEOCHEMICAL MAPPING PROJECT. , 2008, , 93-118.		4
66	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
67	Spatial analysis of urine zinc (Zn) concentration for women of reproductive age and school age children in Malawi. Environmental Geochemistry and Health, 2021, 43, 259-271.	1.8	4
68	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. Frontiers in Nutrition, 2021, 8, 788096.	1.6	4
69	Folate Deficiency is Spatially Dependent and Associated with Local Farming Systems Among Women in Ethiopia. Current Developments in Nutrition, 0, , .	0.1	4
70	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
71	Data Conditioning of Environmental Geochemical Data: Quality Control Procedures Used in the British Geological Survey's Regional Geochemical Mapping Project. , 2018, , 79-101.		3
72	A spatial analysis of lime resources and their potential for improving soil magnesium concentrations and pH in grassland areas of England and Wales. Scientific Reports, 2021, 11, 20420.	1.6	3

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73	THE COLLECTION OF DRAINAGE SAMPLES FOR ENVIRONMENTAL ANALYSES FROM ACTIVE STREAM CHANNELS. , 2008, , 59-92.		1
74	The Collection of Drainage Samples for Environmental Analyses From Active Stream Channels. , 2018, , 47-77.		1
75	Mineral micronutrient status and spatial distribution among the Ethiopian population. British Journal of Nutrition, 2022, , 1-30.	1.2	1
76	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
77	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
78	Revealing the importance of groundwater for potable private water supplies in Wales. Quarterly Journal of Engineering Geology and Hydrogeology, 0, , qjegh2021-078.	0.8	0
79	Title is missing!. , 2019, 14, e0223868.		0
80	Title is missing!. , 2019, 14, e0223868.		0
81	Title is missing!. , 2019, 14, e0223868.		0
82	Title is missing!. , 2019, 14, e0223868.		0
83	Title is missing!. , 2019, 14, e0223868.		0
84	Title is missing!. , 2019, 14, e0223868.		0