

Thomas Larsen

List of Publications by Year in descending order

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53
papers

2,039
citations

218677

26
h-index

254184

43
g-index

58
all docs

58
docs citations

58
times ranked

2455
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold comfort: Arctic seabirds find refugia from climate change and potential competition in marginal ice zones and fjords. <i>Ambio</i> , 2022, 51, 345-354.	5.5	5
2	Tracing the Trophic Fate of Aquafeed Macronutrients With Carbon Isotope Ratios of Amino Acids. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	6
3	Reconstructing Hominin Diets with Stable Isotope Analysis of Amino Acids: New Perspectives and Future Directions. <i>BioScience</i> , 2022, 72, 618-637.	4.9	5
4	Higher sea surface temperature in the Indian Ocean during the Last Interglacial weakened the South Asian monsoon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2107720119.	7.1	10
5	How to use modern science to reconstruct ancient scents. <i>Nature Human Behaviour</i> , 2022, 6, 611-614.	12.0	11
6	Chemical Modification of Biomarkers through Accelerated Degradation: Implications for Ancient Plant Identification in Archaeo-Organic Residues. <i>Molecules</i> , 2022, 27, 3331.	3.8	3
7	Amino acid nitrogen and carbon isotope data: Potential and implications for ecological studies. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	5
8	The carbon isotope ratios of nonessential amino acids identify sugar-sweetened beverage (SSB) consumers in a 12-wk inpatient feeding study of 32 men with varying SSB and meat exposures. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 1256-1264.	4.7	9
9	Amino acid and chlorin based degradation indicators in freshwater systems. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 304, 216-233.	3.9	6
10	Effects of competitive pressure and habitat heterogeneity on niche partitioning between Arctic and boreal congeners. <i>Scientific Reports</i> , 2021, 11, 22133.	3.3	7
11	Gram-positive bacteria control the rapid anabolism of protein-sized soil organic nitrogen compounds questioning the present paradigm. <i>Scientific Reports</i> , 2020, 10, 15840.	3.3	11
12	Characterizing niche differentiation among marine consumers with amino acid $\delta^{13}\text{C}$ fingerprinting. <i>Ecology and Evolution</i> , 2020, 10, 7768-7782.	1.9	17
13	Cannibalism makes invasive comb jelly, <i>Mnemiopsis leidyi</i> , resilient to unfavourable conditions. <i>Communications Biology</i> , 2020, 3, 212.	4.4	12
14	The role of the gut microbiome in mediating standard metabolic rate after dietary shifts in the viviparous cockroach, <i>Diploptera punctata</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	6
15	An ~130 kyr Record of Surface Water Temperature and $\delta^{18}\text{O}$ From the Northern Bay of Bengal: Investigating the Linkage Between Heinrich Events and Weak Monsoon Intervals in Asia. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003646.	2.9	30
16	Combining bulk and amino acid stable isotope analyses to quantify trophic level and basal resources of detritivores: a case study on earthworms. <i>Oecologia</i> , 2019, 189, 447-460.	2.0	33
17	Compound-specific isotope analysis of amino acids as a new tool to uncover trophic chains in soil food webs. <i>Ecological Monographs</i> , 2019, 89, e01384.	5.4	39
18	The influence of hydrolysis and derivatization on the determination of amino acid content and isotopic ratios in dual-labeled (^{13}C , ^{15}N) white clover. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 21-30.	1.5	9

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19	¹³ C values of glycolytic amino acids as indicators of carbohydrate utilization in carnivorous fish. <i>PeerJ</i> , 2019, 7, e7701.	2.0	12
20	Know your fish: A novel compound-specific isotope approach for tracing wild and farmed salmon. <i>Food Chemistry</i> , 2018, 256, 380-389.	8.2	44
21	Assessing seasonal changes in animal diets with stable-isotope analysis of amino acids: a migratory boreal songbird switches diet over its annual cycle. <i>Oecologia</i> , 2018, 187, 1-13.	2.0	40
22	Radiocarbon in ecology: Insights and perspectives from aquatic and terrestrial studies. <i>Methods in Ecology and Evolution</i> , 2018, 9, 181-190.	5.2	26
23	Calling all archaeologists: guidelines for terminology, methodology, data handling, and reporting when undertaking and reviewing stable isotope applications in archaeology. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 361-372.	1.5	62
24	Ontogenetic resource utilization and migration reconstruction with $\delta^{13}\text{C}$ values of essential amino acids in the <i>Cynoscion acoupa</i> otolith. <i>Ecology and Evolution</i> , 2018, 8, 9859-9869.	1.9	6
25	Mitigating N ₂ O emissions from clover residues by 3,4-dimethylpyrazole phosphate (DMPP) without adverse effects on the earthworm <i>Lumbricus terrestris</i> . <i>Soil Biology and Biochemistry</i> , 2017, 104, 95-107.	8.8	29
26	Does introduction of clover in an agricultural grassland affect the food base and functional diversity of <i>Collembola</i> ?. <i>Soil Biology and Biochemistry</i> , 2017, 112, 165-176.	8.8	10
27	Diet of the prehistoric population of Rapa Nui (Easter Island, Chile) shows environmental adaptation and resilience. <i>American Journal of Physical Anthropology</i> , 2017, 164, 343-361.	2.1	61
28	Advances in the application of amino acid nitrogen isotopic analysis in ecological and biogeochemical studies. <i>Organic Geochemistry</i> , 2017, 113, 150-174.	1.8	213
29	The dominant detritus-feeding invertebrate in Arctic peat soils derives its essential amino acids from gut symbionts. <i>Journal of Animal Ecology</i> , 2016, 85, 1275-1285.	2.8	40
30	Substantial nutritional contribution of bacterial amino acids to earthworms and enchytraeids: A case study from organic grasslands. <i>Soil Biology and Biochemistry</i> , 2016, 99, 21-27.	8.8	46
31	Essential Amino Acid Supplementation by Gut Microbes of a Wood-Feeding Cerambycid. <i>Environmental Entomology</i> , 2016, 45, 66-73.	1.4	55
32	Symbiotic essential amino acids provisioning in the American cockroach, <i>Periplaneta americana</i> (Linnaeus) under various dietary conditions. <i>PeerJ</i> , 2016, 4, e2046.	2.0	21
33	Assessing the potential of amino acid $\delta^{13}\text{C}$ patterns as a carbon source tracer in marine sediments: effects of algal growth conditions and sedimentary diagenesis. <i>Biogeosciences</i> , 2015, 12, 4979-4992.	3.3	63
34	Long-Term Conditioning to Elevated pCO ₂ and Warming Influences the Fatty and Amino Acid Composition of the Diatom <i>Cylindrotheca fusiformis</i> . <i>PLoS ONE</i> , 2015, 10, e0123945.	2.5	57
35	Enchytraeids as indicator of soil quality in temporary organic grass-clover leys under contrasting management: A feasibility study. <i>Soil Biology and Biochemistry</i> , 2015, 91, 32-39.	8.8	7
36	Influence of elevated CO ₂ and GM barley on a soil mesofauna community in a mesocosm test system. <i>Soil Biology and Biochemistry</i> , 2015, 84, 127-136.	8.8	5

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37	Millennial-scale plankton regime shifts in the subtropical North Pacific Ocean. <i>Science</i> , 2015, 350, 1530-1533.	12.6	71
38	Tracing the biosynthetic source of essential amino acids in marine turtles using $\delta^{13}\text{C}$ fingerprints. <i>Ecology</i> , 2014, 95, 1285-1293.	3.2	60
39	Reconstructing $\delta^{13}\text{C}$ isoscapes of phytoplankton production in a coastal upwelling system with amino acid isotope values of littoral mussels. <i>Marine Ecology - Progress Series</i> , 2014, 504, 59-72.	1.9	45
40	What does leaf wax $\delta^2\text{H}$ from a mixed C3/C4 vegetation region tell us?. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 111, 128-139.	3.9	67
41	Northern and southern hemisphere controls on seasonal sea surface temperatures in the Indian Ocean during the last deglaciation. <i>Paleoceanography</i> , 2013, 28, 619-632.	3.0	36
42	Tracing Carbon Sources through Aquatic and Terrestrial Food Webs Using Amino Acid Stable Isotope Fingerprinting. <i>PLoS ONE</i> , 2013, 8, e73441.	2.5	203
43	Can amino acid carbon isotope ratios distinguish primary producers in a mangrove ecosystem?. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1541-1548.	1.5	38
44	Contrasting effects of nitrogen limitation and amino acid imbalance on carbon and nitrogen turnover in three species of Collembola. <i>Soil Biology and Biochemistry</i> , 2011, 43, 749-759.	8.8	27
45	Nutrient allocations and metabolism in two collembolans with contrasting reproduction and growth strategies. <i>Functional Ecology</i> , 2009, 23, 745-755.	3.6	23
46	Stable isotope fingerprinting: a novel method for identifying plant, fungal, or bacterial origins of amino acids. <i>Ecology</i> , 2009, 90, 3526-3535.	3.2	188
47	Use of stable isotopes to examine how dietary restriction extends <i>Drosophila</i> lifespan. <i>Current Biology</i> , 2008, 18, R155-R156.	3.9	73
48	Modelling C and N mineralization during decomposition of anaerobically digested and composted municipal solid waste. <i>Waste Management and Research</i> , 2007, 25, 170-176.	3.9	7
49	Properties of anaerobically digested and composted municipal solid waste assessed by linking soil mesofauna dynamics and nitrogen modelling. <i>Biology and Fertility of Soils</i> , 2007, 44, 59-68.	4.3	15
50	Assimilation dynamics of soil carbon and nitrogen by wheat roots and Collembola. <i>Plant and Soil</i> , 2007, 295, 253-264.	3.7	19
51	Using multi-objective classification to model communities of soil microarthropods. <i>Ecological Modelling</i> , 2006, 191, 131-143.	2.5	46
52	Simplified and rapid method for extraction of ergosterol from natural samples and detection with quantitative and semi-quantitative methods using thin-layer chromatography. <i>Journal of Chromatography A</i> , 2004, 1026, 301-304.	3.7	36
53	The impact of soil compaction on euedaphic Collembola. <i>Applied Soil Ecology</i> , 2004, 26, 273-281.	4.3	58