Thomas Larsen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2543883/publications.pdf

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53	2,039	218677	254184
papers	citations	26 h-index	43 g-index

58	58	58	2455
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in the application of amino acid nitrogen isotopic analysis in ecological and biogeochemical studies. Organic Geochemistry, 2017, 113, 150-174.	1.8	213
2	Tracing Carbon Sources through Aquatic and Terrestrial Food Webs Using Amino Acid Stable Isotope Fingerprinting. PLoS ONE, 2013, 8, e73441.	2.5	203
3	Stable isotope fingerprinting: a novel method for identifying plant, fungal, or bacterial origins of amino acids. Ecology, 2009, 90, 3526-3535.	3.2	188
4	Use of stable isotopes to examine how dietary restriction extends Drosophila lifespan. Current Biology, 2008, 18, R155-R156.	3.9	73
5	Millennial-scale plankton regime shifts in the subtropical North Pacific Ocean. Science, 2015, 350, 1530-1533.	12.6	71
6	What does leaf wax ÎD from a mixed C3/C4 vegetation region tell us?. Geochimica Et Cosmochimica Acta, 2013, 111, 128-139.	3.9	67
7	Assessing the potential of amino acid ¹³C patterns as a carbon source tracer in marine sediments: effects of algal growth conditions and sedimentary diagenesis. Biogeosciences, 2015, 12, 4979-4992.	3.3	63
8	Calling all archaeologists: guidelines for terminology, methodology, data handling, and reporting when undertaking and reviewing stable isotope applications in archaeology. Rapid Communications in Mass Spectrometry, 2018, 32, 361-372.	1.5	62
9	Diet of the prehistoric population of Rapa Nui (Easter Island, Chile) shows environmental adaptation and resilience. American Journal of Physical Anthropology, 2017, 164, 343-361.	2.1	61
10	Tracing the biosynthetic source of essential amino acids in marine turtles using Î´¹³C fingerprints. Ecology, 2014, 95, 1285-1293.	3.2	60
11	The impact of soil compaction on euedaphic Collembola. Applied Soil Ecology, 2004, 26, 273-281.	4.3	58
12	Long-Term Conditioning to Elevated pCO2 and Warming Influences the Fatty and Amino Acid Composition of the Diatom Cylindrotheca fusiformis. PLoS ONE, 2015, 10, e0123945.	2.5	57
13	Essential Amino Acid Supplementation by Gut Microbes of a Wood-Feeding Cerambycid. Environmental Entomology, 2016, 45, 66-73.	1.4	55
14	Using multi-objective classification to model communities of soil microarthropods. Ecological Modelling, 2006, 191, 131-143.	2.5	46
15	Substantial nutritional contribution of bacterial amino acids to earthworms and enchytraeids: A case study from organic grasslands. Soil Biology and Biochemistry, 2016, 99, 21-27.	8.8	46
16	Reconstructing Î´13C isoscapes of phytoplankton production in a coastal upwelling system with amino acid isotope values of littoral mussels. Marine Ecology - Progress Series, 2014, 504, 59-72.	1.9	45
17	Know your fish: A novel compound-specific isotope approach for tracing wild and farmed salmon. Food Chemistry, 2018, 256, 380-389.	8.2	44
18	The dominant detritusâ€feeding invertebrate in Arctic peat soils derives its essential amino acids from gut symbionts. Journal of Animal Ecology, 2016, 85, 1275-1285.	2.8	40

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19	Assessing seasonal changes in animal diets with stable-isotope analysis of amino acids: a migratory boreal songbird switches diet over its annual cycle. Oecologia, 2018, 187, 1-13.	2.0	40
20	Compoundâ€specific isotope analysis of amino acids as a new tool to uncover trophic chains in soil food webs. Ecological Monographs, 2019, 89, e01384.	5.4	39
21	Can amino acid carbon isotope ratios distinguish primary producers in a mangrove ecosystem?. Rapid Communications in Mass Spectrometry, 2012, 26, 1541-1548.	1.5	38
22	Simplified and rapid method for extraction of ergosterol from natural samples and detection with quantitative and semi-quantitative methods using thin-layer chromatography. Journal of Chromatography A, 2004, 1026, 301-304.	3.7	36
23	Northern and southern hemisphere controls on seasonal sea surface temperatures in the Indian Ocean during the last deglaciation. Paleoceanography, 2013, 28, 619-632.	3.0	36
24	Combining bulk and amino acid stable isotope analyses to quantify trophic level and basal resources of detritivores: a case study on earthworms. Oecologia, 2019, 189, 447-460.	2.0	33
25	An ~130 kyr Record of Surface Water Temperature and Î´¹⁸O From the Northern Bay of Bengal: Investigating the Linkage Between Heinrich Events and Weak Monsoon Intervals in Asia. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003646.	2.9	30
26	Mitigating N2O emissions from clover residues by 3,4-dimethylpyrazole phosphate (DMPP) without adverse effects on the earthworm Lumbricus terrestris. Soil Biology and Biochemistry, 2017, 104, 95-107.	8.8	29
27	Contrasting effects of nitrogen limitation and amino acid imbalance on carbon and nitrogen turnover in three species of Collembola. Soil Biology and Biochemistry, 2011, 43, 749-759.	8.8	27
28	Radiocarbon in ecology: Insights and perspectives from aquatic and terrestrial studies. Methods in Ecology and Evolution, 2018, 9, 181-190.	5.2	26
29	Nutrient allocations and metabolism in two collembolans with contrasting reproduction and growth strategies. Functional Ecology, 2009, 23, 745-755.	3.6	23
30	Symbiotic essential amino acids provisioning in the American cockroach,Periplaneta americana(Linnaeus) under various dietary conditions. PeerJ, 2016, 4, e2046.	2.0	21
31	Assimilation dynamics of soil carbon and nitrogen by wheat roots and Collembola. Plant and Soil, 2007, 295, 253-264.	3.7	19
32	Characterizing niche differentiation among marine consumers with amino acid Î´¹³C fingerprinting. Ecology and Evolution, 2020, 10, 7768-7782.	1.9	17
33	Properties of anaerobically digested and composted municipal solid waste assessed by linking soil mesofauna dynamics and nitrogen modelling. Biology and Fertility of Soils, 2007, 44, 59-68.	4.3	15
34	Cannibalism makes invasive comb jelly, Mnemiopsis leidyi, resilient to unfavourable conditions. Communications Biology, 2020, 3, 212.	4.4	12
35	¹³C values of glycolytic amino acids as indicators of carbohydrate utilization in carnivorous fish. PeerJ, 2019, 7, e7701.	2.0	12
36	Gram-positive bacteria control the rapid anabolism of protein-sized soil organic nitrogen compounds questioning the present paradigm. Scientific Reports, 2020, 10, 15840.	3.3	11

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37	How to use modern science to reconstruct ancient scents. Nature Human Behaviour, 2022, 6, 611-614.	12.0	11
38	Does introduction of clover in an agricultural grassland affect the food base and functional diversity of Collembola?. Soil Biology and Biochemistry, 2017, 112, 165-176.	8.8	10
39	Higher sea surface temperature in the Indian Ocean during the Last Interglacial weakened the South Asian monsoon. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2107720119.	7.1	10
40	The influence of hydrolysis and derivatization on the determination of amino acid content and isotopic ratios in dualâ€labeled (13 C, 15 N) white clover. Rapid Communications in Mass Spectrometry, 2019, 33, 21-30.	1.5	9
41	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. American Journal of Clinical Nutrition, 2021, 113, 1256-1264.	4.7	9
42	Modelling C and N mineralization during decomposition of anaerobically digested and composted municipal solid waste. Waste Management and Research, 2007, 25, 170-176.	3.9	7
43	Enchytraeids as indicator of soil quality in temporary organic grass-clover leys under contrasting management: A feasibility study. Soil Biology and Biochemistry, 2015, 91, 32-39.	8.8	7
44	Effects of competitive pressure and habitat heterogeneity on niche partitioning between Arctic and boreal congeners. Scientific Reports, 2021, 11, 22133.	3.3	7
45	Ontogenetic resource utilization and migration reconstruction with Î´¹³C values of essential amino acids in the Cynoscion acoupa otolith. Ecology and Evolution, 2018, 8, 9859-9869.	1.9	6
46	The role of the gut microbiome in mediating standard metabolic rate after dietary shifts in the viviparous cockroach,Diploptera punctata. Journal of Experimental Biology, 2020, 223, .	1.7	6
47	Amino acid and chlorin based degradation indicators in freshwater systems. Geochimica Et Cosmochimica Acta, 2021, 304, 216-233.	3.9	6
48	Tracing the Trophic Fate of Aquafeed Macronutrients With Carbon Isotope Ratios of Amino Acids. Frontiers in Marine Science, 2022, 9, .	2.5	6
49	Influence of elevated CO2 and GM barley on a soil mesofauna community in a mesocosm test system. Soil Biology and Biochemistry, 2015, 84, 127-136.	8.8	5
50	Cold comfort: Arctic seabirds find refugia from climate change and potential competition in marginal ice zones and fjords. Ambio, 2022, 51, 345-354.	5.5	5
51	Reconstructing Hominin Diets with Stable Isotope Analysis of Amino Acids: New Perspectives and Future Directions. BioScience, 2022, 72, 618-637.	4.9	5
52	Amino acid nitrogen and carbon isotope data: Potential and implications for ecological studies. Ecology and Evolution, 2022, 12, .	1.9	5
53	Chemical Modification of Biomarkers through Accelerated Degradation: Implications for Ancient Plant Identification in Archaeo-Organic Residues. Molecules, 2022, 27, 3331.	3.8	3