

Seth D Newsome

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4566307/publications.pdf>

Version: 2024-02-01

114
papers

7,026
citations

126708

33
h-index

66788

78
g-index

117
all docs

117
docs citations

117
times ranked

6327
citing authors

#	ARTICLE	IF	CITATIONS
1	The sensitivity of <i>Neotoma</i> to climate change and biodiversity loss over the late Quaternary. <i>Quaternary Research</i> , 2022, 105, 49-63.	1.0	6
2	Amino acid $\delta^{13}\text{C}$ fingerprints of nearshore marine autotrophs are consistent across broad spatiotemporal scales: An intercontinental isotopic dataset and likely biochemical drivers. <i>Functional Ecology</i> , 2022, 36, 1191-1203.	1.7	13
3	Assessing the potential of amino acid $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ analysis in terrestrial and freshwater ecosystems. <i>Journal of Ecology</i> , 2022, 110, 935-950.	1.9	17
4	Stable isotope fingerprinting traces essential amino acid assimilation and multichannel feeding in a vertebrate consumer. <i>Methods in Ecology and Evolution</i> , 2022, 13, 1819-1830.	2.2	10
5	Bulk and amino acid nitrogen isotopes suggest shifting nitrogen balance of pregnant sharks across gestation. <i>Oecologia</i> , 2022, 199, 313-328.	0.9	9
6	Niche overlap and diet composition of three sympatric coastal dolphin species in the southwest Atlantic Ocean. <i>Marine Mammal Science</i> , 2021, 37, 111-126.	0.9	16
7	Intraspecific variation and energy channel coupling within a Chilean kelp forest. <i>Ecology</i> , 2021, 102, e03198.	1.5	15
8	Quantifying capital versus income breeding: New promise with stable isotope measurements of individual amino acids. <i>Journal of Animal Ecology</i> , 2021, 90, 1408-1418.	1.3	15
9	Isotope-based inferences of the seasonal foraging and migratory strategies of blue whales in the eastern Pacific Ocean. <i>Marine Environmental Research</i> , 2021, 163, 105201.	1.1	12
10	Isotope-based inferences of skipjack tuna feeding ecology and movement in the southwestern Atlantic Ocean. <i>Marine Environmental Research</i> , 2021, 165, 105246.	1.1	19
11	Hydrogen isotope assimilation and discrimination in green turtles. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	3
12	Dietary protein content and digestibility influences discrimination of amino acid nitrogen isotope values in a terrestrial omnivorous mammal. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9073.	0.7	13
13	State changes: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021, 12, e03433.	1.0	6
14	Meta-analysis of primary producer amino acid $\delta^{15}\text{N}$ values and their influence on trophic position estimation. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1750-1767.	2.2	41
15	Adaptive foraging in the Anthropocene: can individual diet specialization compensate for biotic homogenization?. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 510-518.	1.9	11
16	Triple Oxygen Isotope Measurements ($\delta^{17}\text{O}$) of Body Water Reflect Water Intake, Metabolism, and $\delta^{18}\text{O}$ of Ingested Water in Passerines. <i>Frontiers in Physiology</i> , 2021, 12, 710026.	1.3	5
17	Competition shapes individual foraging and survival in a desert rodent ensemble. <i>Journal of Animal Ecology</i> , 2021, 90, 2806-2818.	1.3	15
18	Physiology Drives Reworking of Amino Acid $\delta^2\text{H}$ and $\delta^{13}\text{C}$ in Butterfly Tissues. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	7

#	ARTICLE	IF	CITATIONS
19	Resource risk and stability in the zooarchaeological record: the case of Pueblo fishing in the Middle Rio Grande, New Mexico. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	0.7	7
20	Can the carbon and nitrogen isotope values of offspring be used as a proxy for their mother's diet? Using foetal physiology to interpret bulk tissue and amino acid $\delta^{15}\text{N}$ values. , 2020, 8, coaa060.		10
21	Compound-specific $\delta^2\text{H}$ analysis highlights the relationship between direct assimilation and de novo synthesis of amino acids from food and water in a terrestrial mammalian omnivore. <i>Oecologia</i> , 2020, 193, 827-842.	0.9	3
22	Latitudinal patterns in the diet of Andean condor (<i>Vultur gryphus</i>) in Chile: Contrasting environments influencing feeding behavior. <i>Science of the Total Environment</i> , 2020, 741, 140220.	3.9	21
23	Changes in the diet and body size of a small herbivorous mammal (hispid cotton rat, <i>Sigmodon</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 12	2.1	12
24	Reductions in the dietary niche of southern sea otters (<i>Enhydra lutris nereis</i>) from the Holocene to the Anthropocene. <i>Ecology and Evolution</i> , 2020, 10, 3318-3329.	0.8	10
25	Fasting affects amino acid nitrogen isotope values: a new tool for identifying nitrogen balance of free-ranging mammals. <i>Oecologia</i> , 2020, 193, 53-65.	0.9	34
26	Isotopic and genetic methods reveal the role of the gut microbiome in mammalian host essential amino acid metabolism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192995.	1.2	32
27	Relating $\delta^{17}\text{O}$ Values of Animal Body Water to Exogenous Water Inputs and Metabolism. <i>BioScience</i> , 2019, 69, 658-668.	2.2	10
28	Trophic plasticity in a common reef-building coral: Insights from $\delta^{13}\text{C}$ analysis of essential amino acids. <i>Functional Ecology</i> , 2019, 33, 2203-2214.	1.7	55
29	Dynamics of Individual Fatty Acids in Muscle Fat Stores and Membranes of a Songbird and Its Functional and Ecological Importance. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 239-251.	0.6	10
30	Foraging strategies of individual silky pocket mice over a boom-bust cycle in a stochastic dryland ecosystem. <i>Oecologia</i> , 2019, 190, 569-578.	0.9	12
31	The interplay between ambient temperature and salt intake affects oxidative status and immune responses in a ubiquitous Neotropical passerine, the rufous-collared sparrow. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 234, 50-59.	0.8	10
32	Amino Acid Isotope Analysis. , 2019, , 173-190.		33
33	A Guide to Using Compound-Specific Stable Isotope Analysis to Study the Fates of Molecules in Organisms and Ecosystems. <i>Diversity</i> , 2019, 11, 8.	0.7	117
34	Individual diet specialisation in sparrows is driven by phenotypic plasticity in traits related to trade-offs in animal performance. <i>Ecology Letters</i> , 2019, 22, 128-137.	3.0	16
35	Identifying critical habitat of the endangered vaquita (<i>Phocoena sinus</i>) with regional $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ isoscapes of the Upper Gulf of California, Mexico. <i>Marine Mammal Science</i> , 2018, 34, 790-805.	0.9	6
36	Niche differentiation among small mammals of the Alexander Archipelago in southeastern Alaska. <i>Journal of Mammalogy</i> , 2018, 99, 108-116.	0.6	4

#	ARTICLE	IF	CITATIONS
37	Intraspecific variation in exploratory behavior and elevational affinity in a widely distributed songbird. <i>Oecologia</i> , 2018, 186, 931-938.	0.9	9
38	Generalist predator's niche shifts reveal ecosystem changes in an experimentally fragmented landscape. <i>Ecography</i> , 2018, 41, 1209-1219.	2.1	12
39	The relationship between dietary protein content, body condition, and $\delta^{15}\text{N}$ in a mammalian omnivore. <i>Oecologia</i> , 2018, 186, 357-367.	0.9	13
40	Why are tropical mountain passes $\delta^{13}\text{C}$ for some species? Genetic and stable isotope tests for differentiation, migration and expansion in elevational generalist songbirds. <i>Journal of Animal Ecology</i> , 2018, 87, 741-753.	1.3	16
41	The influence of lipid extraction and long-term DMSO preservation on carbon ($\delta^{13}\text{C}$) and nitrogen ($\delta^{15}\text{N}$) isotope values in cetacean skin. <i>Marine Mammal Science</i> , 2018, 34, 277-293.	0.9	16
42	Nitrogen isotope ($\delta^{15}\text{N}$) patterns for amino acids in lemur bones are inconsistent with aridity driving megafaunal extinction in southwestern Madagascar. <i>Journal of Quaternary Science</i> , 2018, 33, 958-968.	1.1	21
43	The importance of $\delta^{13}\text{C}$ to an intertidal ecosystem varies by trophic level: insights from amino acid $\delta^{13}\text{C}$ analysis. <i>Ecosphere</i> , 2018, 9, e02516.	1.0	24
44	Amino acid isotope discrimination factors for a carnivore: physiological insights from leopard sharks and their diet. <i>Oecologia</i> , 2018, 188, 977-989.	0.9	23
45	Stable hydrogen isotope variability within and among plumage tracts ($\delta^2\text{H}$) of a migratory wood warbler. <i>PLoS ONE</i> , 2018, 13, e0193486.	1.1	3
46	Assimilation and discrimination of hydrogen isotopes in a terrestrial mammal. <i>Oecologia</i> , 2018, 188, 381-393.	0.9	10
47	Terrestrial birds in coastal environments: metabolic rate and oxidative status varies with the use of marine resources. <i>Oecologia</i> , 2018, 188, 65-73.	0.9	7
48	Historical ecology and the conservation of large, hermaphroditic fishes in Pacific Coast kelp forest ecosystems. <i>Science Advances</i> , 2017, 3, e1601759.	4.7	48
49	Testing the niche variation hypothesis in a community of passerine birds. <i>Ecology</i> , 2017, 98, 903-908.	1.5	43
50	Assimilation and isotopic discrimination of hydrogen in tilapia: implications for studying animal diet with $\delta^2\text{H}$. <i>Ecosphere</i> , 2017, 8, e01616.	1.0	12
51	Opinion: Why we need a centralized repository for isotopic data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2997-3001.	3.3	50
52	Isotopic niches support the resource breadth hypothesis. <i>Journal of Animal Ecology</i> , 2017, 86, 405-413.	1.3	40
53	Spatial, temporal, age, and sex related variation in the diet of South American sea lions in southern Chile. <i>Marine Mammal Science</i> , 2017, 33, 480-495.	0.9	14
54	First Report of an Adult Tapeworm (Cestoda: Diphyllbothriidea) in a Southern Sea Otter (<i>Enhydra</i>)	0.9	2

#	ARTICLE	IF	CITATIONS
55	Trophic interactions and food web structure of a subantarctic marine food web in the Beagle Channel: Bah��a Lapataia, Argentina. <i>Polar Biology</i> , 2017, 40, 807-821.	0.5	58
56	Coping with Salt Water Habitats: Metabolic and Oxidative Responses to Salt Intake in the Rufous-Collared Sparrow. <i>Frontiers in Physiology</i> , 2017, 8, 654.	1.3	14
57	Estimating blue whale skin isotopic incorporation rates and baleen growth rates: Implications for assessing diet and movement patterns in mysticetes. <i>PLoS ONE</i> , 2017, 12, e0177880.	1.1	67
58	Exploring the Isotopic Niche: Isotopic Variance, Physiological Incorporation, and the Temporal Dynamics of Foraging. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	65
59	Hydrogen isotopes in individual amino acids reflect differentiated pools of hydrogen from food and water in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4648-53.	3.3	38
60	Tracking the origins and diet of an endemic island canid (<i>Urocyon littoralis</i>) across 7300 years of human cultural and environmental change. <i>Quaternary Science Reviews</i> , 2016, 146, 147-160.	1.4	26
61	Widespread kelp-derived carbon in pelagic and benthic nearshore fishes suggested by stable isotope analysis. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 181, 364-374.	0.9	31
62	Turkeys on the fringe: Variable husbandry in ��marginal�� areas of the prehistoric American Southwest. <i>Journal of Archaeological Science: Reports</i> , 2016, 10, 575-583.	0.2	11
63	Bone isotopes, eggshell and turkey husbandry at Arroyo Hondo Pueblo. <i>Journal of Archaeological Science: Reports</i> , 2016, 10, 566-574.	0.2	12
64	Unraveling the consequences of the terminal Pleistocene megafauna extinction on mammal community assembly. <i>Ecography</i> , 2016, 39, 223-239.	2.1	33
65	Seasonal patterns in $\delta^2\text{H}$ values of multiple tissues from Andean birds provide insights into elevational migration. <i>Ecological Applications</i> , 2016, 26, 2383-2389.	1.8	14
66	Trophic Discrimination Factors and Incorporation Rates of Carbon- and Nitrogen-Stable Isotopes in Adult Green Frogs, <i>Lithobates clamitans</i> . <i>Physiological and Biochemical Zoology</i> , 2015, 88, 576-585.	0.6	27
67	Foraging ecology of a reintroduced population of breeding Bald Eagles on the Channel Islands, California, USA, inferred from prey remains and stable isotope analysis. <i>Condor</i> , 2015, 117, 396-413.	0.7	12
68	Multi-tissue $\delta^2\text{H}$ analysis reveals altitudinal migration and tissue-specific discrimination patterns in <i>Cinclodes</i> . <i>Ecosphere</i> , 2015, 6, 1-18.	1.0	23
69	Mitochondrial Genomes Suggest Rapid Evolution of Dwarf California Channel Islands Foxes (<i>Urocyon</i>) Tj ETQq1 1 0,784314 rgBT /Over	1.1	65
70	The interaction of intraspecific competition and habitat on individual diet specialization: a near range-wide examination of sea otters. <i>Oecologia</i> , 2015, 178, 45-59.	0.9	77
71	The cost of reproduction: differential resource specialization in female and male California sea otters. <i>Oecologia</i> , 2015, 178, 17-29.	0.9	34
72	Individual-level niche specialization within populations: emerging areas of study. <i>Oecologia</i> , 2015, 178, 1-4.	0.9	50

#	ARTICLE	IF	CITATIONS
73	Individual variation in anthropogenic resource use in an urban carnivore. <i>Oecologia</i> , 2015, 178, 115-128.	0.9	128
74	It Is Time for IsoBank. <i>BioScience</i> , 2015, 65, 229-230.	2.2	21
75	Cacti supply limited nutrients to a desert rodent community. <i>Oecologia</i> , 2015, 178, 1045-1062.	0.9	21
76	Variability in the routing of dietary proteins and lipids to consumer tissues influences tissue-specific isotopic discrimination. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1448-1456.	0.7	58
77	Using Satellite Tracking and Isotopic Information to Characterize the Impact of South American Sea Lions on Salmonid Aquaculture in Southern Chile. <i>PLoS ONE</i> , 2015, 10, e0134926.	1.1	23
78	Amino Acid $\delta^{13}\text{C}$ Analysis Shows Flexibility in the Routing of Dietary Protein and Lipids to the Tissue of an Omnivore. <i>Integrative and Comparative Biology</i> , 2014, 54, 890-902.	0.9	83
79	Development and characterization of 15 polymorphic microsatellite markers for North Pacific albatrosses using paired-end Illumina shotgun sequencing. <i>Conservation Genetics Resources</i> , 2014, 6, 491-493.	0.4	0
80	Dietary niche expansion of a kelp forest predator recovering from intense commercial exploitation. <i>Ecology</i> , 2014, 95, 164-172.	1.5	26
81	Ecological Change on California's Channel Islands from the Pleistocene to the Anthropocene. <i>BioScience</i> , 2014, 64, 680-692.	2.2	50
82	Vibrissae growth rates and trophic discrimination factors in captive southern sea otters (<i>Enhydra lutris</i>). <i>Marine Biology</i> , 2014, 160, 641-652.	0.6	34
83	$\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ values in dental collagen as a proxy for age- and sex-related variation in foraging strategies of California sea lions. <i>Marine Biology</i> , 2013, 160, 641-652.	0.7	34
84	Ontogenetic diet shift in Commerson's dolphin (<i>Cephalorhynchus commersonii</i>) off Tierra del Fuego. <i>Polar Biology</i> , 2013, 36, 617-627.	0.5	51
85	The relationship between drinking water and the hydrogen and oxygen stable isotope values of tissues in Japanese Quail (<i>Coturnix japonica</i>). <i>Auk</i> , 2013, 130, 323-330.	0.7	28
86	Trophic shift in the diet of the pelagic thresher shark based on stomach contents and stable isotope analyses. <i>Marine Biology Research</i> , 2013, 9, 958-971.	0.3	28
87	An experimental exploration of the incorporation of hydrogen isotopes from dietary sources into avian tissues. <i>Journal of Experimental Biology</i> , 2012, 215, 1915-1922.	0.8	25
88	Nutritional stress and body condition in the Great Gray Owl (<i>Strix nebulosa</i>) during winter irruptive migrations. <i>Canadian Journal of Zoology</i> , 2012, 90, 787-797.	0.4	19
89	Lipid and amino acid composition influence incorporation and discrimination of ^{13}C and ^{15}N in mink. <i>Journal of Mammalogy</i> , 2012, 93, 399-412.	0.6	31
90	Tools for quantifying isotopic niche space and dietary variation at the individual and population level. <i>Journal of Mammalogy</i> , 2012, 93, 329-341.	0.6	144

#	ARTICLE	IF	CITATIONS
91	Pre-Whaling Genetic Diversity and Population Ecology in Eastern Pacific Gray Whales: Insights from Ancient DNA and Stable Isotopes. PLoS ONE, 2012, 7, e35039.	1.1	61
92	Ontogenetic dietary information of the California sea lion (<i>Zalophus californianus</i>) assessed using stable isotope analysis. Marine Mammal Science, 2012, 28, 714-732.	0.9	25
93	Insight into niche separation of Risso's dolphin (<i>Grampus griseus</i>) in the southwestern South Atlantic via $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values. Marine Mammal Science, 2012, 28, E503.	0.9	8
94	Extensive geographic and ontogenetic variation characterizes the trophic ecology of a temperate reef fish on southern California (USA) rocky reefs. Marine Ecology - Progress Series, 2011, 429, 227-244.	0.9	33
95	Contributions of direct incorporation from diet and microbial amino acids to protein synthesis in Nile tilapia. Functional Ecology, 2011, 25, 1051-1062.	1.7	105
96	Quaternary record of aridity and mean annual precipitation based on $\delta^{15}\text{N}$ in ratite and dromornithid eggshells from Lake Eyre, Australia. Oecologia, 2011, 167, 1151-1162.	0.9	18
97	Using Isoscapes to Trace the Movements and Foraging Behavior of Top Predators in Oceanic Ecosystems. , 2010, , 299-318.		274
98	Using stable isotope biogeochemistry to study marine mammal ecology. Marine Mammal Science, 2010, 26, 509.	0.9	403
99	Pleistocene to historic shifts in bald eagle diets on the Channel Islands, California. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9246-9251.	3.3	33
100	Variation in $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ diet $\delta^{15}\text{N}$ vibrissae trophic discrimination factors in a wild population of California sea otters. Ecological Applications, 2010, 20, 1744-1752.	1.8	87
101	Polybrominated Diphenyl Ether (PBDE) Levels in Peregrine Falcon (<i>Falco peregrinus</i>) Eggs from California Correlate with Diet and Human Population Density. Environmental Science & Technology, 2010, 44, 5248-5255.	4.6	50
102	Stable isotopes evaluate exploitation of anthropogenic foods by the endangered San Joaquin kit fox (<i>Vulpes macrotis mutica</i>). Journal of Mammalogy, 2010, 91, 1313-1321.	0.6	86
103	Agricultural origins and the isotopic identity of domestication in northern China. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5523-5528.	3.3	419
104	Stable Isotope Differences between Sea Lions (<i>Zalophus</i>) from the Gulf of California and Galápagos Islands. Journal of Mammalogy, 2009, 90, 1410-1420.	0.6	31
105	Using stable isotopes to investigate individual diet specialization in California sea otters (<i>Enhydra</i>) Tj ETQq1 1 0,784314 rgBT /Ove	1.5	262
106	The shifting baseline of northern fur seal ecology in the northeast Pacific Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9709-9714.	3.3	87
107	A niche for isotopic ecology. Frontiers in Ecology and the Environment, 2007, 5, 429-436.	1.9	607
108	A niche for isotopic ecology. Frontiers in Ecology and the Environment, 2007, 5, 429.	1.9	917

#	ARTICLE	IF	CITATIONS
109	USING CARBON AND NITROGEN ISOTOPE VALUES TO INVESTIGATE MATERNAL STRATEGIES IN NORTHEAST PACIFIC OTARIIDS. <i>Marine Mammal Science</i> , 2006, 22, 556-572.	0.9	170
110	Historical Ecology and Biogeography of North Pacific Pinnipeds: Isotopes and Ancient DNA from Three Archaeological Assemblages. <i>Journal of Island and Coastal Archaeology</i> , 2006, 1, 165-190.	0.6	36
111	Combining sources in stable isotope mixing models: alternative methods. <i>Oecologia</i> , 2005, 144, 520-527.	0.9	697
112	Dietary reconstruction of an early to middle Holocene human population from the central California coast: insights from advanced stable isotope mixing models. <i>Journal of Archaeological Science</i> , 2004, 31, 1101-1115.	1.2	129
113	Exploitation of marine resources by wolves in southwestern Alaska. <i>Journal of Mammalogy</i> , 0, , gyw153.	0.6	4
114	Variation in $\hat{13} \text{ C}$ and $\hat{15} \text{ N}$ values of mothers and their calves across southern right whale nursery grounds: The effects of nutritional stress?. <i>Marine Mammal Science</i> , 0, , .	0.9	1