

# Brian N Popp

## List of Publications by Year in descending order

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162  
papers

12,869  
citations

20815

60  
h-index

26610

107  
g-index

167  
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167  
docs citations

167  
times ranked

9325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compound-specific isotopic analyses: A novel tool for reconstruction of ancient biogeochemical processes. <i>Organic Geochemistry</i> , 1990, 16, 1115-1128.	1.8	694
2	considerations and experimental results. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 1131-1138.	3.9	679
3	Effect of Phytoplankton Cell Geometry on Carbon Isotopic Fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 69-77.	3.9	594
4	Molecular and biogeochemical evidence for ammonia oxidation by marine Crenarchaeota in the Gulf of California. <i>ISME Journal</i> , 2008, 2, 429-441.	9.8	426
5	Consistent fractionation of $^{13}\text{C}$ in nature and in the laboratory: Growth-rate effects in some haptophyte algae. <i>Global Biogeochemical Cycles</i> , 1997, 11, 279-292.	4.9	363
6	Brachiopods as indicators of original isotopic compositions in some Paleozoic limestones. <i>Bulletin of the Geological Society of America</i> , 1986, 97, 1262.	3.3	346
7	The post-Paleozoic chronology and mechanism of $^{13}\text{C}$ depletion in primary marine organic matter. <i>Numerische Mathematik</i> , 1989, 289, 436-454.	1.4	321
8	Global declines in oceanic nitrification rates as a consequence of ocean acidification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 208-213.	7.1	316
9	Methylmercury production below the mixed layer in the North Pacific Ocean. <i>Nature Geoscience</i> , 2013, 6, 879-884.	12.9	298
10	An isotopic study of biogeochemical relationships between carbonates and organic carbon in the Greenhorn Formation. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 2961-2972.	3.9	226
11	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
12	Isotope Fractionation and Atmospheric Oxygen: Implications for Phanerozoic $\text{O}_2$ Evolution. <i>Science</i> , 2000, 287, 1630-1633.	12.6	200
13	A rapid ontogenetic shift in the diet of juvenile yellowfin tuna from Hawaii. <i>Marine Biology</i> , 2006, 150, 647-658.	1.5	185
14	A large source of atmospheric nitrous oxide from subtropical North Pacific surface waters. <i>Nature</i> , 1998, 396, 63-66.	27.8	184
15	Quantification of zooplankton trophic position in the North Pacific Subtropical Gyre using stable nitrogen isotopes. <i>Limnology and Oceanography</i> , 2009, 54, 50-61.	3.1	181
16	The influence of depth on mercury levels in pelagic fishes and their prey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13865-13869.	7.1	176
17	Effect of growth rate and $\text{CO}_2$ concentration on carbon isotopic fractionation by the marine diatom <i>Phaeodactylum tricornutum</i> . <i>Limnology and Oceanography</i> , 1997, 42, 1552-1560.	3.1	170
18	Insight into the Trophic Ecology of Yellowfin Tuna, <i>Thunnus albacares</i> , from Compound-Specific Nitrogen Isotope Analysis of Proteinaceous Amino Acids. <i>Journal of Nano Education (Print)</i> , 2007, 1, 173-190.	0.3	160

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19	Meta-analysis of amino acid stable nitrogen isotope ratios for estimating trophic position in marine organisms. <i>Oecologia</i> , 2015, 178, 631-642.	2.0	160
20	Quantification of ammonia oxidation rates and ammonia-oxidizing archaea and bacteria at high resolution in the Gulf of California and eastern tropical North Pacific Ocean. <i>Limnology and Oceanography</i> , 2012, 57, 711-726.	3.1	154
21	Midwater zooplankton and suspended particle dynamics in the North Pacific Subtropical Gyre: A stable isotope perspective. <i>Limnology and Oceanography</i> , 2013, 58, 1931-1946.	3.1	144
22	$^{87}\text{Sr}/^{86}\text{Sr}$ ratios in Permo-Carboniferous sea water from the analyses of well-preserved brachiopod shells. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 1321-1328.	3.9	128
23	Nursery habitat use and foraging ecology of the brown stingray <i>Dasyatis lata</i> determined from stomach contents, bulk and amino acid stable isotopes. <i>Marine Ecology - Progress Series</i> , 2011, 433, 221-236.	1.9	127
24	Trophic position estimates of marine teleosts using amino acid compound specific isotopic analysis. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 476-493.	2.0	126
25	Nitrogen and carbon isotope values of individual amino acids: a tool to study foraging ecology of penguins in the Southern Ocean. <i>Marine Ecology - Progress Series</i> , 2009, 391, 293-306.	1.9	126
26	Tissue Turnover Rates and Isotopic Trophic Discrimination Factors in the Endothermic Teleost, Pacific Bluefin Tuna ( <i>Thunnus orientalis</i> ). <i>PLoS ONE</i> , 2012, 7, e49220.	2.5	122
27	Controls on the carbon isotopic composition of southern ocean phytoplankton. <i>Global Biogeochemical Cycles</i> , 1999, 13, 827-843.	4.9	119
28	Trophic structure and food resources of epipelagic and mesopelagic fishes in the North Pacific subtropical gyre ecosystem inferred from nitrogen isotopic compositions. <i>Limnology and Oceanography</i> , 2015, 60, 1156-1171.	3.1	118
29	Nitrogen isotopic baselines and implications for estimating foraging habitat and trophic position of yellowfin tuna in the Indian and Pacific Oceans. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 113, 188-198.	1.4	118
30	Stable Isotope Tracking of Endangered Sea Turtles: Validation with Satellite Telemetry and $\delta^{15}\text{N}$ Analysis of Amino Acids. <i>PLoS ONE</i> , 2012, 7, e37403.	2.5	118
31	Methane production, consumption, and air-sea exchange in the open ocean: An Evaluation based on carbon isotopic ratios. <i>Global Biogeochemical Cycles</i> , 2000, 14, 1-10.	4.9	117
32	Nitrogen and oxygen isotopomeric constraints on the origins and sea-to-air flux of $\text{N}_2\text{O}$ in the oligotrophic subtropical North Pacific gyre. <i>Global Biogeochemical Cycles</i> , 2002, 16, 12-1-12-10.	4.9	116
33	Food-web inferences of stable isotope spatial patterns in copepods and yellowfin tuna in the pelagic eastern Pacific Ocean. <i>Progress in Oceanography</i> , 2010, 86, 124-138.	3.2	111
34	Does growth rate affect ketone unsaturation and intracellular carbon isotopic variability in <i>Emiliania huxleyi</i> ?. <i>Paleoceanography</i> , 1998, 13, 35-41.	3.0	110
35	Role of nitrification and denitrification on the nitrous oxide cycle in the eastern tropical North Pacific and Gulf of California. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	110
36	A comprehensive investigation of mesophotic coral ecosystems in the Hawaiian Archipelago. <i>PeerJ</i> , 2016, 4, e2475.	2.0	107

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37	Trophic ecology of a green turtle breeding population. <i>Marine Ecology - Progress Series</i> , 2013, 476, 237-249.	1.9	101
38	Determination of Concentration and Carbon Isotopic Composition of Dissolved Methane in Sediments and Nearshore Waters. <i>Analytical Chemistry</i> , 1995, 67, 405-411.	6.5	100
39	Nitrite oxidation in the upper water column and oxygen minimum zone of the eastern tropical North Pacific Ocean. <i>ISME Journal</i> , 2013, 7, 2192-2205.	9.8	98
40	Abundance, Diversity, and Activity of Ammonia-Oxidizing Prokaryotes in the Coastal Arctic Ocean in Summer and Winter. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2026-2034.	3.1	97
41	$^{13}\text{C}$ discrimination patterns in oceanic phytoplankton: likely influence of $\text{CO}_2$ concentrating mechanisms, and implications for palaeoreconstructions. <i>Functional Plant Biology</i> , 2002, 29, 323.	2.1	95
42	Global Trophic Position Comparison of Two Dominant Mesopelagic Fish Families (Myctophidae.) <i>Journal of Great Lakes Research</i> , 2010, 36, 50-55.	2.5	92
43	Bypassing the abyssal benthic food web: Macrourid diet in the eastern North Pacific inferred from stomach content and stable isotopes analyses. <i>Limnology and Oceanography</i> , 2008, 53, 2644-2654.	3.1	91
44	Movements and foraging of predators associated with mesophotic coral reefs and their potential for linking ecological habitats. <i>Marine Ecology - Progress Series</i> , 2015, 521, 155-170.	1.9	90
45	Iron-stimulated changes in $^{13}\text{C}$ fractionation and export by equatorial Pacific phytoplankton: Toward a paleogrowth rate proxy. <i>Paleoceanography</i> , 1999, 14, 589-595.	3.0	89
46	Contribution of ammonia oxidation to chemoautotrophy in Antarctic coastal waters. <i>ISME Journal</i> , 2016, 10, 2605-2619.	9.8	89
47	Bicarbonate uptake by Southern Ocean phytoplankton. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	4.9	88
48	Isotopic invisibility of protozoan trophic steps in marine food webs. <i>Limnology and Oceanography</i> , 2014, 59, 1590-1598.	3.1	84
49	A Viable Microbial Community in a Subglacial Volcanic Crater Lake, Iceland. <i>Astrobiology</i> , 2004, 4, 327-344.	3.0	75
50	Mechanisms of nitrous oxide production in the subtropical North Pacific based on determinations of the isotopic abundances of nitrous oxide and di-oxygen. <i>Chemosphere</i> , 2000, 2, 281-290.	1.2	73
51	Highly elevated methane in the eastern tropical North Pacific and associated isotopically enriched fluxes to the atmosphere. <i>Geophysical Research Letters</i> , 2001, 28, 4567-4570.	4.0	73
52	Dissolved organic carbon in oligotrophic waters: experiments on sample preservation, storage and analysis. <i>Marine Chemistry</i> , 1994, 45, 207-216.	2.3	70
53	Stable Carbon Isotopic Analysis of Low-Level Methane in Water and Gas. <i>Analytical Chemistry</i> , 1997, 69, 40-44.	6.5	69
54	Origins of etioporphyrins in sediments: Evidence from stable carbon isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 2451-2455.	3.9	68

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55	Organic carbon $\delta^{13}\text{C}$ variations in sedimentary rocks as chemostratigraphic and paleoenvironmental tools. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997, 132, 119-132.	2.3	67
56	The origin of organic matter in the Martian meteorite ALH84001. <i>Earth and Planetary Science Letters</i> , 1999, 167, 71-79.	4.4	66
57	Methane stable isotopic ratios and concentrations as indicators of methane dynamics in estuaries. <i>Global Biogeochemical Cycles</i> , 1999, 13, 463-474.	4.9	65
58	Intermittent euxinia: Reconciliation of a Jurassic black shale with its biofacies. <i>Geology</i> , 2004, 32, 421.	4.4	65
59	Amino acid $^{15}\text{N}$ trophic enrichment factors of four large carnivorous fishes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 453, 76-83.	1.5	64
60	Ammonia Oxidation in the Ocean Can Be Inhibited by Nanomolar Concentrations of Hydrogen Peroxide. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	63
61	Controls on the molecular distribution and carbon isotopic composition of alkenones in certain haptophyte algae. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	62
62	Methane in aging hydrothermal plumes. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3563-3571.	3.9	61
63	Nitrification controls on fluxes and isotopic composition of nitrate from Florida Keys sponges. <i>Marine Chemistry</i> , 2008, 108, 96-108.	2.3	61
64	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
65	Ecology and biogeochemistry of alkenone production at Station ALOHA. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 699-719.	1.4	60
66	Nitrous oxide cycling in the Black Sea inferred from stable isotope and isotopomer distributions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1802-1816.	1.4	60
67	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
68	Expanded trophic complexity among large sharks. <i>Food Webs</i> , 2015, 4, 1-7.	1.2	60
69	Environmental perturbation effects on baseline $\delta^{15}\text{N}$ values and zooplankton trophic flexibility in the southern California Current Ecosystem. <i>Limnology and Oceanography</i> , 2013, 58, 624-634.	3.1	59
70	Reconstructing transoceanic migration patterns of Pacific bluefin tuna using a chemical tracer toolbox. <i>Ecology</i> , 2014, 95, 1674-1683.	3.2	59
71	Microbial ammonia oxidation and enhanced nitrogen cycling in the Endeavour hydrothermal plume. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2268-2286.	3.9	58
72	Amino Acid Isotope Incorporation and Enrichment Factors in Pacific Bluefin Tuna, <i>Thunnus orientalis</i> . <i>PLoS ONE</i> , 2014, 9, e85818.	2.5	56

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73	The calibration of the intramolecular nitrogen isotope distribution in nitrous oxide measured by isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 391-405.	1.5	55
74	Small phytoplankton drive high summertime carbon and nutrient export in the Gulf of California and Eastern Tropical North Pacific. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1309-1332.	4.9	55
75	Stable isotope analysis of micronekton around Hawaii reveals suspended particles are an important nutritional source in the lower mesopelagic and upper bathypelagic zones. <i>Limnology and Oceanography</i> , 2018, 63, 1168-1180.	3.1	55
76	Nitrogen fixation in the Gulf of California and the Eastern Tropical North Pacific. <i>Progress in Oceanography</i> , 2013, 109, 1-17.	3.2	54
77	Oxidation of urea-derived nitrogen by thaumarchaeota-dominated marine nitrifying communities. <i>Environmental Microbiology</i> , 2017, 19, 4838-4850.	3.8	54
78	Mercury Cycling in the North Pacific Subtropical Gyre as Revealed by Mercury Stable Isotope Ratios. <i>Global Biogeochemical Cycles</i> , 2019, 33, 777-794.	4.9	54
79	Summer surface waters in the Gulf of California: Prime habitat for biological N <sub>2</sub> fixation. <i>Global Biogeochemical Cycles</i> , 2007, 21, n/a-n/a.	4.9	53
80	Spatial variation in the biochemical and isotopic composition of corals during bleaching and recovery. <i>Limnology and Oceanography</i> , 2019, 64, 2011-2028.	3.1	52
81	Different isotope compositions of C <sub>32</sub> DPEP and C <sub>32</sub> etioporphyrin III in oil shale. <i>Die Naturwissenschaften</i> , 1989, 76, 419-421.	1.6	51
82	Carbon isotopic fractionation by the marine diatom <i>Phaeodactylum tricornutum</i> under nutrient- and light-limited growth conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5323-5335.	3.9	51
83	Divergent symbiont communities determine the physiology and nutrition of a reef coral across a light-availability gradient. <i>ISME Journal</i> , 2020, 14, 945-958.	9.8	50
84	Insight into the Trophic Ecology of Yellowfin Tuna, <i>Thunnus albacares</i> , from Compound-Specific Nitrogen Isotope Analysis of Proteinaceous Amino Acids. , 2007, , 173-190.		49
85	Amino Acid Specific Stable Nitrogen Isotope Values in Avian Tissues: Insights from Captive American Kestrels and Wild Herring Gulls. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12928-12937.	10.0	48
86	Carbon and nitrogen isotopic compositions of alkyl porphyrins from the Triassic Serpiano oil shale. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 1307-1311.	3.9	47
87	Porphyrin and chlorin distributions in a Late Pliocene lacustrine sediment. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3691-3701.	3.9	46
88	Lithium-to-calcium ratios in Modern, Cenozoic, and Paleozoic articulate brachiopod shells. <i>Paleoceanography</i> , 1989, 4, 681-691.	3.0	44
89	Importance of sub-surface rhizosphere-mediated coupled nitrification-denitrification in a flooded agroecosystem in Hawaii. <i>Soil Biology and Biochemistry</i> , 2013, 57, 362-373.	8.8	44
90	Comparative feeding ecology of abyssal and hadal fishes through stomach content and amino acid isotope analysis. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 121, 110-120.	1.4	44

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91	Mercury isotopes identify near-surface marine mercury in deep-sea trench biota. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29292-29298.	7.1	42
92	Contributions of denitrification and mixing on the distribution of nitrous oxide in the North Pacific. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	41
93	Surface water productivity and paleoceanographic implications in the Cenozoic Arctic Ocean. Paleoceanography, 2008, 23, .	3.0	40
94	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
95	Preparative HPLC with ultrastable- $\gamma$ zeolite for compound-specific carbon isotopic analyses. Organic Geochemistry, 2000, 31, 1087-1094.	1.8	38
96	Submarine groundwater discharge drives biogeochemistry in two Hawaiian reefs. Limnology and Oceanography, 2017, 62, S348.	3.1	37
97	Seasonal patterns of alkenone production in the subtropical oligotrophic North Pacific. Paleoceanography, 2006, 21, n/a-n/a.	3.0	35
98	Light and temperature control the seasonal distribution of thaumarchaeota in the South Atlantic bight. ISME Journal, 2018, 12, 1473-1485.	9.8	35
99	Spatial trends in a biomagnifying contaminant: Application of amino acid compound-specific stable nitrogen isotope analysis to the interpretation of bird mercury levels. Environmental Toxicology and Chemistry, 2018, 37, 1466-1475.	4.3	33
100	Spatial food web structure in the eastern tropical Pacific Ocean based on compound-specific nitrogen isotope analysis of amino acids. Limnology and Oceanography, 2017, 62, 541-560.	3.1	32
101	Temporal trends in a biomagnifying contaminant: Application of amino acid compound-specific stable nitrogen isotope analysis to the interpretation of bird mercury levels. Environmental Toxicology and Chemistry, 2018, 37, 1458-1465.	4.3	32
102	Intrinsic tracers reveal recent foraging ecology of giant Pacific bluefin tuna at their primary spawning grounds. Marine Ecology - Progress Series, 2016, 553, 253-266.	1.9	32
103	Sources of inorganic carbon for marine microalgal photosynthesis: A reassessment of $\delta^{13}\text{C}$ data from batch culture studies of <i>Thalassiosira pseudonana</i> and <i>Emiliania huxleyi</i> . Limnology and Oceanography, 1998, 43, 136-142.	3.1	31
104	Carbon, Nitrogen, and Mercury Isotope Evidence for the Biogeochemical History of Mercury in Hawaiian Marine Bottomfish. Environmental Science & Technology, 2017, 51, 13976-13984.	10.0	31
105	Direct application of compound-specific radiocarbon analysis of leaf waxes to establish lacustrine sediment chronology. Journal of Paleolimnology, 2008, 39, 43-60.	1.6	30
106	Fate of nitrogen in floating-raft aquaponic systems using natural abundance nitrogen isotopic compositions. International Biodeterioration and Biodegradation, 2017, 125, 24-32.	3.9	29
107	Mercury Sources and Trophic Ecology for Hawaiian Bottomfish. Environmental Science & Technology, 2015, 49, 6909-6918.	10.0	27
108	Opportunism on the High Seas: Foraging Ecology of Olive Ridley Turtles in the Eastern Pacific Ocean. Frontiers in Marine Science, 2017, 4, .	2.5	26

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109	Quantifying mercury isotope dynamics in captive Pacific bluefin tuna ( <i>Thunnus orientalis</i> ). <i>Elementa</i> , 2016, 4, .	3.2	26
110	Genetic Ancestry of Rapanui before and after European Contact. <i>Current Biology</i> , 2017, 27, 3209-3215.e6.	3.9	25
111	Microbial oxidation of nitrogen supplied as selected organic nitrogen compounds in the South Atlantic Bight. <i>Limnology and Oceanography</i> , 2019, 64, 982-995.	3.1	25
112	A new method for estimating growth rates of alkenone-producing haptophytes. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 114-129.	2.0	23
113	Effects of chemical preservation on bulk and amino acid isotope ratios of zooplankton, fish, and squid tissues. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 935-945.	1.5	23
114	Differences in the trophic ecology of micronekton driven by diel vertical migration. <i>Limnology and Oceanography</i> , 2019, 64, 1473-1483.	3.1	22
115	Seasonal dynamics of midwater zooplankton and relation to particle cycling in the North Pacific Subtropical Gyre. <i>Progress in Oceanography</i> , 2020, 182, 102266.	3.2	22
116	Origin of petroporphyrins. 2. Evidence from stable carbon isotopes. <i>Energy &amp; Fuels</i> , 1990, 4, 658-661.	5.1	21
117	Sources of inorganic carbon for photosynthesis in a strain of <i>Phaeodactylum tricornutum</i> . <i>Limnology and Oceanography</i> , 2002, 47, 1192-1197.	3.1	20
118	Supersaturated N <sub>2</sub> O in a perennially ice-covered Antarctic lake: Molecular and stable isotopic evidence for a biogeochemical relict. <i>Limnology and Oceanography</i> , 2008, 53, 2439-2450.	3.1	20
119	Nitrogen isotope fractionation and amino acid turnover rates in the Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Marine Ecology - Progress Series</i> , 2014, 516, 239-250.	1.9	20
120	Nitrogen recovery and nitrous oxide (N <sub>2</sub> O) emissions from aquaponic systems: Influence of plant species and dissolved oxygen. <i>International Biodeterioration and Biodegradation</i> , 2018, 134, 117-126.	3.9	20
121	Life history of abyssal and hadal fishes from otolith growth zones and oxygen isotopic compositions. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 132, 37-50.	1.4	19
122	Seasonal and spatial changes in carbon and nitrogen fluxes estimated using <sup>234</sup> Th: <sup>238</sup> U disequilibria in the North Pacific tropical and subtropical gyre. <i>Marine Chemistry</i> , 2019, 217, 103705.	2.3	18
123	Compound-specific isotopic analysis of amino acids reveals dietary changes in mesophotic coral-reef fish. <i>Marine Ecology - Progress Series</i> , 2016, 558, 65-79.	1.9	18
124	Isotope data from amino acids indicate Darwin's ground sloth was not an herbivore. <i>Scientific Reports</i> , 2021, 11, 18944.	3.3	18
125	Textural, Elemental, and Isotopic Variations Among Constituents in Middle Devonian Limestones, North America. <i>Journal of Sedimentary Research</i> , 1986, Vol. 56, .	1.6	17
126	The origin of organic matter in the Martian meteorite ALH84001. <i>Advances in Space Research</i> , 1999, 24, 477-488.	2.6	17



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127	Alkenone abundance and its relationship to the coccolithophore assemblage in Gulf of California surface waters. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 1118-1130.	1.4	17
128	Trophic Ecology of the Tropical Pacific Sponge <i>Mycale grandis</i> Inferred from Amino Acid Compound-Specific Isotopic Analyses. <i>Microbial Ecology</i> , 2020, 79, 495-510.	2.8	17
129	Mercury stable isotopes in flying fish as a monitor of photochemical degradation of methylmercury in the Atlantic and Pacific Oceans. <i>Marine Chemistry</i> , 2020, 223, 103790.	2.3	17
130	Controls on the Carbon Isotopic Composition of Phytoplankton. , 1999, , 381-398.		17
131	Amino acid $\delta^{13}C$ and $\delta^{15}N$ analyses reveal distinct species-specific patterns of trophic plasticity in a marine symbiosis. <i>Limnology and Oceanography</i> , 2021, 66, 2033-2050.	3.1	16
132	Holocene Lacustrine Ooids from Pyramid Lake, Nevada. , 1983, , 142-153.		15
133	Diver-Operated Piston Corer for Nearshore Use. <i>Estuaries and Coasts</i> , 1994, 17, 716.	1.7	15
134	Wastewater injection, aquifer biogeochemical reactions, and resultant groundwater N fluxes to coastal waters: Kā'anapali, Maui, Hawai'i. <i>Marine Pollution Bulletin</i> , 2016, 110, 281-292.	5.0	15
135	Large-scale patterns of green turtle trophic ecology in the eastern Pacific Ocean. <i>Ecosphere</i> , 2021, 12, e03479.	2.2	15
136	Stable isotopes of precipitation and groundwater provide new insight into groundwater recharge and flow in a structurally complex hydrogeologic system: West Hawai'i, USA. <i>Hydrogeology Journal</i> , 2020, 28, 1191-1207.	2.1	14
137	Distinguishing zooplankton fecal pellets as a component of the biological pump using compound-specific isotope analysis of amino acids. <i>Limnology and Oceanography</i> , 2021, 66, 2827-2841.	3.1	14
138	Geochemical and climate modeling evidence for Holocene aridification in Hawaii: dynamic response to a weakening equatorial cold tongue. <i>Quaternary Science Reviews</i> , 2010, 29, 3057-3066.	3.0	12
139	Spatial variability in growth and prey availability of lobsters in the northwestern Hawaiian Islands. <i>Marine Ecology - Progress Series</i> , 2012, 449, 211-220.	1.9	12
140	Reconstructing lifetime nitrogen baselines and trophic position of <i>Cynoscion acoupa</i> from $\delta^{15}N$ values of amino acids in otoliths. <i>Marine Ecology - Progress Series</i> , 2018, 597, 1-11.	1.9	12
141	Mesopelagic zooplankton metabolic demand in the North Pacific Subtropical Gyre. <i>Limnology and Oceanography</i> , 2015, 60, 419-428.	3.1	11
142	Sediment Organic Carbon in Todos Santos Bay, Baja California, Mexico. <i>Estuaries and Coasts</i> , 2008, 31, 719-727.	2.2	10
143	A biomarker perspective on coccolithophorid growth and export in a stratified sea. <i>Progress in Oceanography</i> , 2014, 122, 65-76.	3.2	10
144	Deep zooplankton rely on small particles when particle fluxes are low. <i>Limnology and Oceanography Letters</i> , 2020, 5, 410-416.	3.9	10

#	ARTICLE	IF	CITATIONS
145	Impacts of Endangered Seabirds on Nutrient Cycling in Montane Forest Ecosystems of Hawai'i. <i>Pacific Science</i> , 2017, 71, 495-509.	0.6	9
146	Abyssal deposit feeders are secondary consumers of detritus and rely on nutrition derived from microbial communities in their guts. <i>Scientific Reports</i> , 2021, 11, 12594.	3.3	9
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148	Long-term trends in the foraging ecology and habitat use of an endangered species: an isotopic perspective. <i>Oecologia</i> , 2018, 188, 1273-1285.	2.0	8
149	Implications for groundwater recharge from stable isotopic composition of precipitation in Hawai'i during the 2017-2018 La Niña. <i>Hydrological Processes</i> , 2020, 34, 4675-4696.	2.6	7
150	Nitrogen isotope fractionation of amino acids from a controlled study on the green turtle ( <i>Chelonia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	1.5	7
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152	Trophic interactions of megafauna in the Mariana and Kermadec trenches inferred from stable isotope analysis. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 164, 103360.	1.4	6
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161	Isotopic Analyses of Individual Compounds. <i>Geophysical Monograph Series</i> , 0, , 199-205.	0.1	0
162	Assessment of an Invasive Tropical Sponge on Coral Reefs in Hawai'i. <i>Pacific Science</i> , 2020, 74, .	0.6	0