Brian N Popp

List of Publications by Citations

161 papers	10,078 citations	55 h-index	97 g-index
167 ext. papers	11,495 ext. citations	5.1 avg, IF	6.05 L-index

#	Paper	IF	Citations
161	Compound-specific isotopic analyses: a novel tool for reconstruction of ancient biogeochemical processes. *Organic Geochemistry*, **1990**, 16, 1115-28	3.1	607
160	Dependence of phytoplankton carbon isotopic composition on growth rate and [CO2)aq: Theoretical considerations and experimental results. *Geochimica Et Cosmochimica Acta*, **1995**, 59, 1131-1138	5.5	578
159	Effect of Phytoplankton Cell Geometry on Carbon Isotopic Fractionation. *Geochimica Et Cosmochimica Acta*, **1998**, 62, 69-77	5.5	495
158	Molecular and biogeochemical evidence for ammonia oxidation by marine Crenarchaeota in the Gulf of California. *ISME Journal*, **2008**, 2, 429-41	11.9	329
157	Brachiopods as indicators of original isotopic compositions in some Paleozoic limestones. *Bulletin of the Geological Society of America*, **1986**, 97, 1262	3.9	294
156	Consistent fractionation of 13C in nature and in the laboratory: growth-rate effects in some haptophyte algae. *Global Biogeochemical Cycles*, **1997**, 11, 279-92	5.9	289
155	The post-Paleozoic chronology and mechanism of 13C depletion in primary marine organic matter. *Numerische Mathematik*, **1989**, 289, 436-54	5.3	268
154	Global declines in oceanic nitrification rates as a consequence of ocean acidification. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 208-13	11.5	240
153	Methylmercury production below the mixed layer in the North Pacific Ocean. *Nature Geoscience*, **2013**, 6, 879-884	18.3	221
152	An isotopic study of biogeochemical relationships between carbonates and organic carbon in the Greenhorn Formation. *Geochimica Et Cosmochimica Acta*, **1989**, 53, 2961-72	5.5	208
151	Isotope fractionation and atmospheric oxygen: implications for phanerozoic O(2) evolution. *Science* , **2000**, 287, 1630-3	33.3	167
150	A large source of atmospheric nitrous oxide from subtropical North Pacific surface waters. *Nature*, **1998**, 396, 63-66	50.4	166
149	A rapid ontogenetic shift in the diet of juvenile yellowfin tuna from Hawaii. *Marine Biology*, **2006**, 150, 647-658	2.5	155
148	The influence of depth on mercury levels in pelagic fishes and their prey. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13865-9	11.5	147
147	Quantification of zooplankton trophic position in the North Pacific Subtropical Gyre using stable nitrogen isotopes. *Limnology and Oceanography*, **2009**, 54, 50-61	4.8	146
146	Effect of growth rate and CO2 concentration on carbon isotopic fractionation by the marine diatom Phaeodactylum tricornutum. *Limnology and Oceanography*, **1997**, 42, 1552-1560	4.8	138
145	Advances in the application of amino acid nitrogen isotopic analysis in ecological and biogeochemical studies. *Organic Geochemistry*, **2017**, 113, 150-174	3.1	134

144	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. *Limnology and Oceanography*, **2012**, 57, 711-726	4.8	121
143	87Sr/86Sr ratios in Permo-Carboniferous sea water from the analyses of well-preserved brachiopod shells. *Geochimica Et Cosmochimica Acta*, **1986**, 50, 1321-1328	5.5	112
142	Nitrogen and carbon isotope values of individual amino acids: a tool to study foraging ecology of penguins in the Southern Ocean. *Marine Ecology - Progress Series*, **2009**, 391, 293-306	2.6	112
141	Nursery habitat use and foraging ecology of the brown stingray Dasyatis lata determined from stomach contents, bulk and amino acid stable isotopes. *Marine Ecology - Progress Series*, **2011**, 433, 221-236	2.6	111
140	Meta-analysis of amino acid stable nitrogen isotope ratios for estimating trophic position in marine organisms. *Oecologia*, **2015**, 178, 631-42	2.9	110
139	Insight into the Trophic Ecology of Yellowfin Tuna, Thunnus albacares, from Compound-Specific Nitrogen Isotope Analysis of Proteinaceous Amino Acids. *Journal of Nano Education (Print)*, **2007**, 1, 173-190		105
138	Controls on the carbon isotopic composition of southern ocean phytoplankton. *Global Biogeochemical Cycles*, **1999**, 13, 827-843	5.9	104
137	Midwater zooplankton and suspended particle dynamics in the North Pacific Subtropical Gyre: A stable isotope perspective. *Limnology and Oceanography*, **2013**, 58, 1931-1946	4.8	103
136	Tissue turnover rates and isotopic trophic discrimination factors in the endothermic teleost, pacific bluefin tuna (Thunnus orientalis). *PLoS ONE*, **2012**, 7, e49220	3.7	99
135	Does growth rate affect ketone unsaturation and intracellular carbon isotopic variability in Emiliania huxleyi?. *Paleoceanography*, **1998**, 13, 35-41		99
134	Stable isotope tracking of endangered sea turtles: validation with satellite telemetry and δ15N analysis of amino acids. *PLoS ONE*, **2012**, 7, e37403	3.7	99
133	Food-web inferences of stable isotope spatial patterns in copepods and yellowfin tuna in the pelagic eastern Pacific Ocean. *Progress in Oceanography*, **2010**, 86, 124-138	3.8	97
132	Nitrogen and oxygen isotopomeric constraints on the origins and sea-to-air flux of N2O in the oligotrophic subtropical North Pacific gyre. *Global Biogeochemical Cycles*, **2002**, 16, 12-1-12-10	5.9	97
131	Methane production, consumption, and air-sea exchange in the open ocean: An Evaluation based on carbon isotopic ratios. *Global Biogeochemical Cycles*, **2000**, 14, 1-10	5.9	97
130	Role of nitrification and denitrification on the nitrous oxide cycle in the eastern tropical North Pacific and Gulf of California. *Journal of Geophysical Research*, **2007**, 112,		93
129	Nitrogen isotopic baselines and implications for estimating foraging habitat and trophic position of yellowfin tuna in the Indian and Pacific Oceans. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2015**, 113, 188-198	2.3	92
128	Determination of Concentration and Carbon Isotopic Composition of Dissolved Methane in Sediments and Nearshore Waters. *Analytical Chemistry*, **1995**, 67, 405-411	7.8	88
127	Trophic position estimates of marine teleosts using amino acid compound specific isotopic analysis. *Limnology and Oceanography: Methods*, **2015**, 13, 476-493	2.6	80

126	Bypassing the abyssal benthic food web: Macrourid diet in the eastern North Pacific inferred from stomach content and stable isotopes analyses. *Limnology and Oceanography*, **2008**, 53, 2644-2654	4.8	80
125	Trophic structure and food resources of epipelagic and mesopelagic fishes in the North Pacific Subtropical Gyre ecosystem inferred from nitrogen isotopic compositions. *Limnology and Oceanography*, **2015**, 60, 1156-1171	4.8	79
124	Abundance, diversity, and activity of ammonia-oxidizing prokaryotes in the coastal Arctic ocean in summer and winter. *Applied and Environmental Microbiology*, **2011**, 77, 2026-34	4.8	79
123	13C discrimination patterns in oceanic phytoplankton: likely influence of CO2 concentrating mechanisms, and implications for palaeoreconstructions. *Functional Plant Biology*, **2002**, 29, 323-333	2.7	79
122	Trophic ecology of a green turtle breeding population. *Marine Ecology - Progress Series*, **2013**, 476, 237-249	2.6	76
121	Global trophic position comparison of two dominant mesopelagic fish families (Myctophidae, Stomiidae) using amino acid nitrogen isotopic analyses. *PLoS ONE*, **2012**, 7, e50133	3.7	76
120	A comprehensive investigation of mesophotic coral ecosystems in the Hawaiian Archipelago. *PeerJ*, **2016**, 4, e2475	3.1	72
119	Nitrite oxidation in the upper water column and oxygen minimum zone of the eastern tropical North Pacific Ocean. *ISME Journal*, **2013**, 7, 2192-205	11.9	71
118	Movements and foraging of predators associated with mesophotic coral reefs and their potential for linking ecological habitats. *Marine Ecology - Progress Series*, **2015**, 521, 155-170	2.6	71
117	Bicarbonate uptake by Southern Ocean phytoplankton. *Global Biogeochemical Cycles*, **2004**, 18, n/a-n/a	5.9	70
116	Iron-stimulated changes in 13C fractionation and export by equatorial Pacific phytoplankton: Toward a paleogrowth rate proxy. *Paleoceanography*, **1999**, 14, 589-595		67
115	Stable Carbon Isotopic Analysis of Low-Level Methane in Water and Gas. *Analytical Chemistry*, **1997**, 69, 40-44	7.8	65
114	A viable microbial community in a subglacial volcanic crater lake, Iceland. *Astrobiology*, **2004**, 4, 327-44	3.7	64
113	Highly elevated methane in the eastern tropical North Pacific and associated isotopically enriched fluxes to the atmosphere. *Geophysical Research Letters*, **2001**, 28, 4567-4570	4.9	64
112	Isotopic invisibility of protozoan trophic steps in marine food webs. *Limnology and Oceanography*, **2014**, 59, 1590-1598	4.8	60
111	Mechanisms of nitrous oxide production in the subtropical North Pacific based on determinations of the isotopic abundances of nitrous oxide and di-oxygen. *Chemosphere*, **2000**, 2, 281-290		60
110	Dissolved organic carbon in oligotrophic waters: experiments on sample preservation, storage and analysis. *Marine Chemistry*, **1994**, 45, 207-216	3.7	59
109	The origin of organic matter in the Martian meteorite ALH84001. *Earth and Planetary Science Letters*, **1999**, 167, 71-9	5.3	58

108	Intermittent euxinia: Reconciliation of a Jurassic black shale with its biofacies. *Geology*, **2004**, 32, 421	5	57
107	Nitrous oxide cycling in the Black Sea inferred from stable isotope and isotopomer distributions. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2006**, 53, 1802-1816	2.3	56
106	Organic carbon δ13C variations in sedimentary rocks as chemostratigraphic and paleoenvironmental tools. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1997**, 132, 119-132	2.9	55
105	Methane in aging hydrothermal plumes. *Geochimica Et Cosmochimica Acta*, **2002**, 66, 3563-3571	5.5	55
104	Amino acid 15N trophic enrichment factors of four large carnivorous fishes. *Journal of Experimental Marine Biology and Ecology*, **2014**, 453, 76-83	2.1	54
103	Nitrification controls on fluxes and isotopic composition of nitrate from Florida Keys sponges. *Marine Chemistry*, **2008**, 108, 96-108	3.7	54
102	Origins of etioporphyrins in sediments: evidence from stable carbon isotopes. *Geochimica Et Cosmochimica Acta*, **1989**, 53, 2451-5	5.5	54
101	Ecology and biogeochemistry of alkenone production at Station ALOHA. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2005**, 52, 699-719	2.5	53
100	Controls on the molecular distribution and carbon isotopic composition of alkenones in certain haptophyte algae. *Geochemistry, Geophysics, Geosystems*, **2001**, 2, n/a-n/a	3.6	53
99	Methane stable isotopic ratios and concentrations as indicators of methane dynamics in estuaries. *Global Biogeochemical Cycles*, **1999**, 13, 463-474	5.9	53
98	Contribution of ammonia oxidation to chemoautotrophy in Antarctic coastal waters. *ISME Journal*, **2016**, 10, 2605-2619	11.9	53
97	The calibration of the intramolecular nitrogen isotope distribution in nitrous oxide measured by isotope ratio mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 391-405	2.2	52
96	Tracing the biosynthetic source of essential amino acids in marine turtles using delta13C fingerprints. *Ecology*, **2014**, 95, 1285-93	4.6	48
95	Reconstructing transoceanic migration patterns of Pacific bluefin tuna using a chemical tracer toolbox. *Ecology*, **2014**, 95, 1674-83	4.6	47
94	Expanded trophic complexity among large sharks. *Food Webs*, **2015**, 4, 1-7	1.8	46
93	Amino acid isotope incorporation and enrichment factors in Pacific bluefin tuna, Thunnus orientalis. *PLoS ONE*, **2014**, 9, e85818	3.7	46
92	Summer surface waters in the Gulf of California: Prime habitat for biological N2 fixation. *Global Biogeochemical Cycles*, **2007**, 21, n/a-n/a	5.9	44
91	Porphyrin and chlorin distributions in a Late Pliocene lacustrine sediment. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 3691-701	5.5	44

90	Nitrogen fixation in the Gulf of California and the Eastern Tropical North Pacific. *Progress in Oceanography*, **2013**, 109, 1-17	3.8	43
89	Environmental perturbation effects on baseline δ15N values and zooplankton trophic flexibility in the southern California Current Ecosystem. *Limnology and Oceanography*, **2013**, 58, 624-634	4.8	43
88	Carbon and nitrogen isotopic compositions of alkyl porphyrins from the Triassic Serpiano oil shale. *Geochimica Et Cosmochimica Acta*, **1993**, 57, 1307-11	5.5	43
87	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	2.5	42
86	Different isotope compositions of C32 DPEP and C32 etioporphyrin III in oil shale: origin of etioporphyrin III from heme?. *Die Naturwissenschaften*, **1989**, 76, 419-21	2	40
85	Ammonia Oxidation in the Ocean Can Be Inhibited by Nanomolar Concentrations of Hydrogen Peroxide. *Frontiers in Marine Science*, **2016**, 3,	4.5	39
84	Carbon isotopic fractionation by the marine diatom Phaeodactylum tricornutum under nutrient- and light-limited growth conditions. *Geochimica Et Cosmochimica Acta*, **2006**, 70, 5323-5335	5.5	38
83	Surface water productivity and paleoceanographic implications in the Cenozoic Arctic Ocean. *Paleoceanography*, **2008**, 23, n/a-n/a		37
82	Microbial ammonia oxidation and enhanced nitrogen cycling in the Endeavour hydrothermal plume. *Geochimica Et Cosmochimica Acta*, **2008**, 72, 2268-2286	5.5	36
81	Importance of sub-surface rhizosphere-mediated coupled nitrification–denitrification in a flooded agroecosystem in Hawaii. *Soil Biology and Biochemistry*, **2013**, 57, 362-373	7.5	35
80	Small phytoplankton drive high summertime carbon and nutrient export in the Gulf of California and Eastern Tropical North Pacific. *Global Biogeochemical Cycles*, **2015**, 29, 1309-1332	5.9	34
79	Contributions of denitrification and mixing on the distribution of nitrous oxide in the North Pacific. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	34
78	Oxidation of urea-derived nitrogen by thaumarchaeota-dominated marine nitrifying communities. *Environmental Microbiology*, **2017**, 19, 4838-4850	5.2	33
77	Lithium-to-calcium ratios in Modern, Cenozoic, and Paleozoic articulate brachiopod shells. *Paleoceanography*, **1989**, 4, 681-691		33
76	Comparative feeding ecology of abyssal and hadal fishes through stomach content and amino acid isotope analysis. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2017**, 121, 110-120	2.5	30
75	Spatial variation in the biochemical and isotopic composition of corals during bleaching and recovery. *Limnology and Oceanography*, **2019**, 64, 2011-2028	4.8	30
74	Seasonal patterns of alkenone production in the subtropical oligotrophic North Pacific. *Paleoceanography*, **2006**, 21, n/a-n/a		30
73	Stable isotope analysis of micronekton around Hawaii reveals suspended particles are an important nutritional source in the lower mesopelagic and upper bathypelagic zones. *Limnology and Oceanography*, **2018**, 63, 1168-1180	4.8	29

72	Preparative HPLC with ultrastable-Y zeolite for compound-specific carbon isotopic analyses. *Organic Geochemistry*, **2000**, 31, 1087-1094	3.1	29
71	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	2.9	27
70	Sources of inorganic carbon for marine microalgal photosynthesis: A reassessment of δ13C data from batch culture studies of Thalassiosira pseudonana and Emiliania huxleyi. *Limnology and Oceanography*, **1998**, 43, 136-142	4.8	27
69	Mercury Cycling in the North Pacific Subtropical Gyre as Revealed by Mercury Stable Isotope Ratios. *Global Biogeochemical Cycles*, **2019**, 33, 777-794	5.9	26
68	Amino Acid Specific Stable Nitrogen Isotope Values in Avian Tissues: Insights from Captive American Kestrels and Wild Herring Gulls. *Environmental Science & Technology*, **2016**, 50, 12928-12937	10.3	26
67	Direct application of compound-specific radiocarbon analysis of leaf waxes to establish lacustrine sediment chronology. *Journal of Paleolimnology*, **2008**, 39, 43-60	2.1	25
66	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	3.8	24
65	Fate of nitrogen in floating-raft aquaponic systems using natural abundance nitrogen isotopic compositions. *International Biodeterioration and Biodegradation*, **2017**, 125, 24-32	4.8	24
64	Insight into the Trophic Ecology of Yellowfin Tuna, Thunnus albacares, from Compound-Specific Nitrogen Isotope Analysis of Proteinaceous Amino Acids **2007**, 173-190		23
63	Light and temperature control the seasonal distribution of thaumarchaeota in the South Atlantic bight. *ISME Journal*, **2018**, 12, 1473-1485	11.9	22
62	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	4.8	21
61	Submarine groundwater discharge drives biogeochemistry in two Hawaiian reefs. *Limnology and Oceanography*, **2017**, 62, S348-S363	4.8	21
60	Mercury sources and trophic ecology for Hawaiian bottomfish. *Environmental Science & Technology*, **2015**, 49, 6909-18	10.3	19
59	Supersaturated N2O in a perennially ice-covered Antarctic lake: Molecular and stable isotopic evidence for a biogeochemical relict. *Limnology and Oceanography*, **2008**, 53, 2439-2450	4.8	19
58	A new method for estimating growth rates of alkenone-producing haptophytes. *Limnology and Oceanography: Methods*, **2006**, 4, 114-129	2.6	19
57	Origin of petroporphyrins. 2. Evidence from stable carbon isotopes. *Energy & Fuels*, **1990**, 4, 658-61	4.1	19
56	Intrinsic tracers reveal recent foraging ecology of giant Pacific bluefin tuna at their primary spawning grounds. *Marine Ecology - Progress Series*, **2016**, 553, 253-266	2.6	19
55	Divergent symbiont communities determine the physiology and nutrition of a reef coral across a light-availability gradient. *ISME Journal*, **2020**, 14, 945-958	11.9	19

54	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	11.5	19
53	Sources of inorganic carbon for photosynthesis in a strain of Phaeodactylum tricornutum. *Limnology and Oceanography*, **2002**, 47, 1192-1197	4.8	18
52	Genetic Ancestry of Rapanui before and after European Contact. *Current Biology*, **2017**, 27, 3209-3215.e6	6.3	17
51	Nitrogen isotope fractionation and amino acid turnover rates in the Pacific white shrimp Litopenaeus vannamei. *Marine Ecology - Progress Series*, **2014**, 516, 239-250	2.6	17
50	Carbon, Nitrogen, and Mercury Isotope Evidence for the Biogeochemical History of Mercury in Hawaiian Marine Bottomfish. *Environmental Science & Technology*, **2017**, 51, 13976-13984	10.3	17
49	Opportunism on the High Seas: Foraging Ecology of Olive Ridley Turtles in the Eastern Pacific Ocean. *Frontiers in Marine Science*, **2017**, 4,	4.5	17
48	Quantifying mercury isotope dynamics in captive Pacific bluefin tuna (Thunnus orientalis). *Elementa* , **2016**, 4,	3.6	17
47	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	3.8	16
46	Alkenone abundance and its relationship to the coccolithophore assemblage in Gulf of California surface waters. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2008**, 55, 1118-1130	2.5	15
45	Nitrogen recovery and nitrous oxide (N2O) emissions from aquaponic systems: Influence of plant species and dissolved oxygen. *International Biodeterioration and Biodegradation*, **2018**, 134, 117-126	4.8	14
44	Controls on the Carbon Isotopic Composition of Phytoplankton **1999**, 381-398		14
43	Effects of chemical preservation on bulk and amino acid isotope ratios of zooplankton, fish, and squid tissues. *Rapid Communications in Mass Spectrometry*, **2019**, 33, 935-945	2.2	13
42	The origin of organic matter in the Martian meteorite ALH84001. *Advances in Space Research*, **1999**, 24, 477-88	2.4	12
41	Diver-operated piston corer for nearshore use. *Estuaries and Coasts*, **1994**, 17, 716		12
40	Compound-specific isotopic analysis of amino acids reveals dietary changes in mesophotic coral-reef fish. *Marine Ecology - Progress Series*, **2016**, 558, 65-79	2.6	12
39	Wastewater injection, aquifer biogeochemical reactions, and resultant groundwater N fluxes to coastal waters: K□napali, Maui, Hawai□. *Marine Pollution Bulletin*, **2016**, 110, 281-292	6.7	12
38	Microbial oxidation of nitrogen supplied as selected organic nitrogen compounds in the South Atlantic Bight. *Limnology and Oceanography*, **2019**, 64, 982-995	4.8	12
37	Geochemical and climate modeling evidence for Holocene aridification in Hawaii: dynamic response to a weakening equatorial cold tongue. *Quaternary Science Reviews*, **2010**, 29, 3057-3066	3.9	11

36	Life history of abyssal and hadal fishes from otolith growth zones and oxygen isotopic compositions. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2018**, 132, 37-50	2.5	10
35	Spatial variability in growth and prey availability of lobsters in the northwestern Hawaiian Islands. *Marine Ecology - Progress Series*, **2012**, 449, 211-220	2.6	10
34	Trophic Ecology of the Tropical Pacific Sponge Mycale grandis Inferred from Amino Acid Compound-Specific Isotopic Analyses. *Microbial Ecology*, **2020**, 79, 495-510	4.4	10
33	Seasonal and spatial changes in carbon and nitrogen fluxes estimated using 234Th:238U disequilibria in the North Pacific tropical and subtropical gyre. *Marine Chemistry*, **2019**, 217, 103705	3.7	9
32	Holocene Lacustrine Ooids from Pyramid Lake, Nevada **1983**, 142-153		9
31	Differences in the trophic ecology of micronekton driven by diel vertical migration. *Limnology and Oceanography*, **2019**, 64, 1473-1483	4.8	9
30	Seasonal dynamics of midwater zooplankton and relation to particle cycling in the North Pacific Subtropical Gyre. *Progress in Oceanography*, **2020**, 182, 102266	3.8	8
29	Stable isotopes of precipitation and groundwater provide new insight into groundwater recharge and flow in a structurally complex hydrogeologic system: West Hawai USA. *Hydrogeology Journal*, **2020**, 28, 1191-1207	3.1	7
28	Can stormwater be detected by algae in an urban reef in Hawai?. *Marine Pollution Bulletin*, **2013**, 71, 92-100	6.7	7
27	A biomarker perspective on coccolithophorid growth and export in a stratified sea. *Progress in Oceanography*, **2014**, 122, 65-76	3.8	7
26	Mesopelagic zooplankton metabolic demand in the North Pacific Subtropical Gyre. *Limnology and Oceanography*, **2015**, 60, 419-428	4.8	6
25	Reconstructing lifetime nitrogen baselines and trophic position of Cynoscion acoupa from 15N values of amino acids in otoliths. *Marine Ecology - Progress Series*, **2018**, 597, 1-11	2.6	6
24	Mercury stable isotopes in flying fish as a monitor of photochemical degradation of methylmercury in the Atlantic and Pacific Oceans. *Marine Chemistry*, **2020**, 223, 103790	3.7	5
23	Deep zooplankton rely on small particles when particle fluxes are low. *Limnology and Oceanography Letters*, **2020**, 5, 410-416	7.9	5
22	Textural, Elemental, and Isotopic Variations Among Constituents in Middle Devonian Limestones, North America. *Journal of Sedimentary Research*, **1986**, Vol. 56,	2.1	5
21	Tracing gestation and lactation in free ranging gray whales using the stable isotopic composition of epidermis layers. *PLoS ONE*, **2020**, 15, e0240171	3.7	5
20	Long-term trends in the foraging ecology and habitat use of an endangered species: an isotopic perspective. *Oecologia*, **2018**, 188, 1273-1285	2.9	5
19	Impacts of Endangered Seabirds on Nutrient Cycling in Montane Forest Ecosystems of Hawai *Pacific Science*, **2017**, 71, 495-509	0.9	4

18	Insights into nitrogen cycling in the western Gulf of California from the nitrogen isotopic composition of diatom-bound organic matter. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	4
17	Sediment Organic Carbon in Todos Santos Bay, Baja California, Mexico. *Estuaries and Coasts*, **2008**, 31, 719-727	2.8	4
16	Amino acid □C and □N analyses reveal distinct species-specific patterns of trophic plasticity in a marine symbiosis. *Limnology and Oceanography*, **2021**, 66, 2033-2050	4.8	4
15	Microscale determination of the spectral characteristics and carbon-isotopic compositions of porphyrins. *Energy & Fuels*, **1993**, 7, 185-90	4.1	3
14	Implications for groundwater recharge from stable isotopic composition of precipitation in Hawai□ during the 2017□2018 La Ni□. *Hydrological Processes*, **2020**, 34, 4675-4696	3.3	3
13	Nitrogen isotope fractionation of amino acids from a controlled study on the green turtle (Chelonia mydas): expanding beyond Glx/Phe for trophic position. *Marine Biology*, **2020**, 167, 1	2.5	3
12	Assessing Nitrogen Transformations in a Flooded Agroecosystem Using the Isotope Pairing Technique and Nitrogen Functional Gene Abundances. *Soil Science*, **2014**, 179, 2-10	0.9	2
11	Trophic interactions of megafauna in the Mariana and Kermadec trenches inferred from stable isotope analysis. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2020**, 164, 103360	2.5	2
10	Primary and Secondary Controls on Carbon-Isotopic Compositions of Sedimentary Organic Matter. *Developments in Geochemistry*, **1991**, 6, 3-14		1
9	Isotope data from amino acids indicate Darwin□ ground sloth was not an herbivore. *Scientific Reports*, **2021**, 11, 18944	4.9	1
8	Spatial variation in the biochemical and isotopic composition of corals during bleaching and recovery		1
7	Distinguishing zooplankton fecal pellets as a component of the biological pump using compound-specific isotope analysis of amino acids. *Limnology and Oceanography*, **2021**, 66, 2827-2841	4.8	1
6	Large-scale patterns of green turtle trophic ecology in the eastern Pacific Ocean. *Ecosphere*, **2021**, 12, e03479	3.1	0
5	Abyssal deposit feeders are secondary consumers of detritus and rely on nutrition derived from microbial communities in their guts. *Scientific Reports*, **2021**, 11, 12594	4.9	0
4	Inference of young groundwater ages and modern groundwater proportions using chlorofluorocarbon and tritium/helium-3 tracers from West Hawai□ Island. *Journal of Hydrology*, **2022**, 609, 127755	6	0
3	Isotopic Analyses of Individual Compounds. *Geophysical Monograph Series*, **2013**, 199-205	1.1	
2	Origin and alteration of organic matter of the Oxford Clay Formation (U.K.) determined from bulk geochemical analyses. *The Paleontological Society Special Publications*, **1992**, 6, 163-163		
1	Isotopic composition of the eastern gray whale epidermis indicates contribution of prey outside Arctic feeding grounds.. *Scientific Reports*, **2022**, 12, 7055	4.9	