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## Carbon isotope fractionation in plants

DOI: 10.1016/0031-9422(81)85134-5  
Phytochemistry, 1981, 20, 553-567.

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**Version:** 2024-04-27

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1350	Ecological distribution of Cenomanian terrestrial plants based on $^{13}\text{C}/^{12}\text{C}$ ratios. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>1999</b> , 145, 79-93	2.9	60
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1343	Isotope Fractionation: Why Aren't We What We Eat?. <b>1999</b> , 26, 667-673		124
1342	Developmental Changes in Chloroplast Ultrastructure and Carbon-Fixation Metabolism of Dendrobium Flowers (Orchidaceae). <b>1999</b> , 160, 699-705		2
1341	Spatial and temporal variation in the carbon and oxygen stable isotope ratio of respired $\text{CO}_2$ in a boreal forest ecosystem** Keynote presentation.. <b>1999</b> , 51, 367-384		29
1340	Virgin Anasazi Diet as Demonstrated Through the Analysis of Stable Carbon and Nitrogen Isotopes. <b>1999</b> , 64, 495-514		15
1339	CARBON ISOTOPE DISCRIMINATION AND TRANSPIRATION EFFICIENCY IN EUCALYPTUS UNDER SALINITY AND BORON STRESS. <b>2000</b> , 215-222		1
1338	Variation in Methane Hydrate Structure and Composition. <b>2000</b> ,		1
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1336	Carbon-13 input and turn-over in a pasture soil exposed to long-term elevated atmospheric $\text{CO}_2$ . <b>2000</b> , 6, 123-135		95
1335	Water- and nutrient-use efficiency of a deciduous species, <i>Vaccinium myrtillus</i> , and an evergreen species, <i>V. vitis-idaea</i> , in a subalpine dwarf shrub heath in the southern Alps, Italy. <b>2000</b> , 88, 19-32		19

1334	Effects of decarbonation treatments on $\delta^{13}\text{C}$ values in marine sediments. <b>2000</b> , 72, 55-59		73
1333	Metabolic flux in glucose/citrate co-fermentation by lactic acid bacteria as measured by isotopic ratio analysis. <b>2000</b> , 182, 207-11		19
1332	Oceanic uptake of $\text{CO}_2$ re-estimated through $\delta^{13}\text{C}$ in WOCE samples. <b>2000</b> , 172, 501-512		4
1331	Respiration from $\text{C}_3$ plant green manure added to a $\text{C}_4$ plant carbon dominated soil. <b>2000</b> , 218/2, 83-89		10
1330	Sources and transformations of organic matter in surface soils and sediments from a tidal estuary (North Inlet, South Carolina, USA). <b>2000</b> , 23, 548		88
1329	Characterization of farmed and wild salmon ( <i>Salmo salar</i> ) by a combined use of compositional and isotopic analyses. <b>2000</b> , 77, 659-666		50
1328	The use of $^{13}\text{C}/^{12}\text{C}$ isotope abundance ratio for characterization of the origin of ethyl alcohol. <b>2000</b> , 36, 11-14		1
1327	Variation in carbon isotope discrimination within and among <i>Sphagnum</i> species in a temperate wetland. <b>2000</b> , 123, 1-8		61
1326	Effects of Phosphorus and Water Supply on Yield, Transpirational Water-Use Efficiency, and Carbon Isotope Discrimination of Pearl Millet. <b>2000</b> , 40, 120-125		65
1325	Comparison of recoveries in breath carbon dioxide of $\text{H}^{13}\text{CO}_3$ and $\text{H}^{14}\text{CO}_3$ administered simultaneously by single 6 h constant unprimed intravenous infusion. <b>2000</b> , 84, 269-274		3
1324	Genotype and Water Limitation Effects on Transpiration Efficiency in Sorghum. <b>2000</b> , 2, 265-286		26
1323	Incorporation of $^{13}\text{C}$ -Labeled Coniferyl Alcohol into Developing <i>Ginkgo biloba</i> L. Lignin Revealed by Analytical Pyrolysis and $\text{CuO}$ Oxidation in Combination with Isotope Ratio Monitoring-Gas Chromatography-Mass Spectrometry. <b>2000</b> , 54, 39-54		11
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1320	CARBON ISOTOPE RATIOS IN BELOWGROUND CARBON CYCLE PROCESSES. <b>2000</b> , 10, 412-422		568
1319	Isotopic Analysis of Ancient Deer Bone: Biotic Stability in Collapse Period Maya Land-use. <b>2000</b> , 27, 537-550		49
1318	Soil carbon pools and fluxes in long-term corn belt agroecosystems. <b>2000</b> , 32, 157-168		251
1317	Temperature effects on the diversity of soil heterotrophs and the $\delta^{13}\text{C}$ of soil-respired $\text{CO}_2$ . <b>2000</b> , 32, 699-706		151

1316	Mapping of C4 plant input from North West Africa into North East Atlantic sediments. <b>2000</b> , 64, 3505-3513	128
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1314	Reconstruction of Forest Site History in Ethiopian Highlands Based on $^{13}\text{C}$ Natural Abundance of Soils. <b>2000</b> , 29, 83-89	45
1313	Stable carbon and nitrogen isotope systematics in a human-disturbed watershed (Lanyang-Hsi) in Taiwan and the estimation of biogenic particulate organic carbon and nitrogen fluxes. <b>2000</b> , 14, 189-198	87
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536	Oscillations in the Indian summer monsoon during the Holocene inferred from a stable isotope record from pyrogenic carbon from Lake Chenghai, southwest China. <b>2017</b> , 134, 29-36	11
535	Spatial variation and environmental assessment of soil organic carbon isotopes for tracing sources in a typical contaminated site. <b>2017</b> , 175, 11-17	6
534	The subsistence patterns of the Shengedaliang site (~4,000 yr BP) revealed by stable carbon and nitrogen isotopes in northern Shaanxi, China. <b>2017</b> , 60, 268-276	13
533	Holocene paleoenvironmental change in southeastern Africa (Makwe Rockshelter, Zambia): Implications for the spread of pastoralism. <b>2017</b> , 156, 57-68	11
532	Leaf characters of <i>Ulmus elongata</i> in fragmented habitats: Implications for conservation. <b>2017</b> , 37, 346-353	2
531	Isotopic analysis on nanogram quantities of carbon from dissolved insect cuticle: a method for paleoenvironmental inferences. <b>2017</b> , 31, 1825-1834	3
530	Biomass Burning Sources in China. <b>2017</b> , 135-166	2
529	Altitudinal variations in the bulk organic carbon isotopic composition of topsoil in the Qilian Mountains area, NE Tibetan Plateau, and its environmental significance. <i>Quaternary International</i> , <b>2017</b> , 454, 45-55	2 10
528	Genotypic differences in physiological and biochemical responses to salinity stress in melon ( <i>Cucumis melo</i> L.) plants: Prospects for selection of salt tolerant landraces. <b>2017</b> , 119, 294-311	42
527	Evolutionary differences in $\delta^{13}\text{C}$ detected between spore and seed bearing plants following exposure to a range of atmospheric $\text{O}_2:\text{CO}_2$ ratios; implications for paleoatmosphere reconstruction. <b>2017</b> , 213, 517-533	28
526	Response of leaf stable carbon isotope composition to temporal and spatial variabilities of aridity index on two opposite hillslopes in a native vegetated catchment. <b>2017</b> , 553, 214-223	8
525	Root-derived bicarbonate assimilation in response to variable water deficit in <i>Camptotheca acuminata</i> seedlings. <b>2017</b> , 134, 59-70	7

524	Using behavioral and stable isotope data to quantify rare dietary plasticity in a temperate bat. <b>2017</b> , gyw196		2
523	Biological and land use controls on the isotopic composition of aquatic carbon in the Upper Mississippi River Basin. <b>2017</b> , 31, 1271-1288		12
522	A Model of Isotope Separation in Plants. <b>2017</b> , 65, 271-284		0
521	Inorganic carbon physiology underpins macroalgal responses to elevated CO <sub>2</sub> . <b>2017</b> , 7, 46297		85
520	The isotopic fractionation of carbon, nitrogen, hydrogen, and oxygen during illicit production of cocaine base in South America. <b>2017</b> , 270, 255-260		9
519	Sequential stable isotope analysis reveals differences in multi-year dietary history of three sympatric equid species in SW Mongolia. <b>2017</b> , 54, 1110-1119		12
518	Extracting the most from terrestrial plant-derived n-alkyl lipids and their carbon isotopes from the sedimentary record: A review. <b>2017</b> , 103, 1-21		197
517	Stable carbon isotope analyses of nanogram quantities of particulate organic carbon (pollen) with laser ablation nano combustion gas chromatography/isotope ratio mass spectrometry. <b>2017</b> , 31, 47-58		16
516	Isotopic evidence of foraging ecology of Asian elephant ( <i>Elephas maximus</i> ) in South China during the Late Pleistocene. <i>Quaternary International</i> , <b>2017</b> , 443, 160-167	2	16
515	Tropical limestone forest resilience and late Pleistocene foraging during MIS-2 in the Tr <sup>^</sup> ng An massif, Vietnam. <i>Quaternary International</i> , <b>2017</b> , 448, 62-81	2	16
514	Precipitation, not air temperature, drives functional responses of trees in semi-arid ecosystems. <b>2017</b> , 105, 163-175		64
513	Middle Plains Archaic Bison Hunting in Southcentral Wyoming: Revisiting the Scoggin Site (48CR304). <b>2017</b> , 62, i-414		
512	Respiratory Effects on the Carbon Isotope Discrimination Near the Compensation Point. <b>2017</b> , 143-160		5
511	Transcriptome Assembly and Comparison of C <sub>3</sub> , C <sub>4</sub> -C <sub>3</sub> , and C <sub>4</sub> Species of Tribe Salsoleae (Chenopodiaceae). <b>2017</b> , 8, 1939		8
510	Estimations of anthropogenic dust emissions at global scale from 2007 to 2010. <b>2017</b> ,		4
509	A sorghum ( <i>Sorghum bicolor</i> ) mutant with altered carbon isotope ratio. <b>2017</b> , 12, e0179567		3
508	CARBON ISOTOPE DISCRIMINATION IN MANGO LEAVES UNDER SALT STRESS. <b>2017</b> , 39,		
507	C <sub>3</sub> cotyledons are followed by C <sub>4</sub> leaves: intra-individual transcriptome analysis of <i>Salsola soda</i> (Chenopodiaceae). <b>2017</b> , 68, 161-176		11

506	Stable isotope ( $\delta^{13}\text{C}$ ) profiling of xylitol and sugar in South Africa. <b>2017</b> , 113,		2
505	. <b>2017</b> ,		9
504	Methodology to determine the extent of anaerobic digestion, composting and CH oxidation in a landfill environment. <b>2018</b> , 76, 364-373		10
503	From Seafood to not to Seafood? An isotopic perspective on dietary preferences at the Mesolithic-Neolithic transition in the Western Mediterranean. <i>Quaternary International</i> , <b>2018</b> , 470, 497-510		13
502	Trend of increasing Holocene summer precipitation in arid central Asia: Evidence from an organic carbon isotopic record from the LJW10 loess section in Xinjiang, NW China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 509, 24-32	2.9	26
501	Animal husbandry strategies in Eastern Zhou China: An isotopic study on faunal remains from the Central Plains. <i>International Journal of Osteoarchaeology</i> , <b>2018</b> , 28, 354-363	1.1	5
500	The C-biogeochemistry of a Midwestern USA agricultural impoundment in context: Lake Decatur in the intensively managed landscape critical zone observatory. <b>2018</b> , 138, 171-195		10
499	Using isotope labeling to partition sources of CO <sub>2</sub> efflux in newly established mangrove seedlings. <b>2018</b> , 63, 731-740		9
498	Historical Tropical Forest Reliance amongst the Wanniyalaeto (Vedda) of Sri Lanka: an Isotopic Perspective. <b>2018</b> , 46, 435-444		6
497	Limited evidence for CO <sub>2</sub> -related growth enhancement in northern Rocky Mountain lodgepole pine populations across climate gradients. <b>2018</b> , 24, 3922-3937		20
496	Dietary seasonal variations in the Medieval Nubian population of Kulubnarti as indicated by the stable isotope composition of hair. <i>Journal of Archaeological Science: Reports</i> , <b>2018</b> , 18, 161-168	0.7	3
495	Intramolecular C analysis of tree rings provides multiple plant ecophysiology signals covering decades. <b>2018</b> , 8, 5048		17
494	New Ecological Directions: Isotopes, Genetics, Historical Ecology, Conservation. <b>2018</b> , 503-529		
493	Stage-specific distribution of Japanese sea cucumber <i>Apostichopus japonicus</i> in Maizuru Bay, Sea of Japan, in relation to environmental factors. <b>2018</b> , 84, 251-259		3
492	Carbon use efficiency diagnostics in <i>Nannochloropsis salina</i> . <b>2018</b> , 31, 40-46		1
491	Carbon stable isotope composition of modern and archaeological Cornelian cherry fruit stones: a pilot study. <b>2018</b> , 54, 337-351		1
490	Carbon and Nitrogen Stable Isotope Analyses of Ephedra Plant and Ephedrine Samples and Their Application For Methamphetamine Profiling. <b>2018</b> , 63, 1053-1058		4
489	Stable Oxygen and Carbon Isotopic Composition of Rice ( <i>Oryza sativa</i> L.) Grains as Recorder of Relative Humidity. <b>2018</b> , 123, 423-439		8

488	Dining together: Reconstruction of Neolithic food consumption based on the $\delta^{15}\text{N}$ values for individual amino acids at Tell el-Kerkh, northern Levant. <i>Journal of Archaeological Science: Reports</i> , <b>2018</b> , 17, 775-784	0.7	4
487	Same, same but different!-matching entomological traces to a human food source by stable isotope analysis. <b>2018</b> , 132, 915-921		4
486	Isotope Fractionation Processes of Selected Elements. <b>2018</b> , 53-227		1
485	Radiocarbon and Stable Carbon Isotopes of Labile and Inert Organic Carbon in the Critical Zone Observatory in Illinois, USA. <b>2018</b> , 60, 989-999		4
484	Isotopic evidence for ceremonial provisioning of Late Bronze age khirigsuurs with horses from diverse geographic locales. <i>Quaternary International</i> , <b>2018</b> , 476, 70-81	2	11
483	Nam Lot (MIS 5) and Duoi U'Oi (MIS 4) Southeast Asian sites revisited: Zooarchaeological and isotopic evidences. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 512, 132-144	2.9	15
482	An ecological response to the Eocene/Oligocene transition revealed by the $\delta^{13}\text{C}_{\text{TOC}}$ record, Lanzhou Basin, NE Tibetan Plateau. <b>2018</b> , 159, 74-80		6
481	Little Ice Age drought event reconstructed from isotopic analysis of archaeological springbok ( <i>Antidorcas marsupialis</i> ) teeth. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 495, 105-112	2.9	0
480	Increased water-use efficiency translates into contrasting growth patterns of Scots pine and sessile oak at their southern distribution limits. <b>2018</b> , 24, 1012-1028		30
479	$\delta^{13}\text{C}$ signal of earthworm calcite granules: A new proxy for palaeoprecipitation reconstructions during the Last Glacial in western Europe. <b>2018</b> , 179, 158-166		14
478	Carbon accumulation in Dahu Swamp in the eastern Nanling Mountains (south China) and its implications for hydroclimatic variability over the past 47'000 years. <b>2018</b> , 47, 469-480		3
477	Vegetation variation of loess deposits in the southeastern Inner Mongolia, NE China over the past ~1.08 million years. <b>2018</b> , 155, 174-179		9
476	Seasonal and canopy height variation in n-alkanes and their carbon isotopes in a temperate forest. <b>2018</b> , 116, 23-34		15
475	Disentangling Contributions of CO <sub>2</sub> Concentration and Climate to Changes in Intrinsic Water-Use Efficiency in the Arid Boreal Forest in China's Altay Mountains. <b>2018</b> , 9, 642		15
474	Osteological and stable isotope ( $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ ) analysis of faunal remains from Khami, Zimbabwe. <b>2018</b> , 53, 507-527		
473	A time of change: dietary reconstruction of the Merovingian cemetery of Norroy-le-Veneur, France. <b>2018</b> , 75, 325-338		3
472	Stable isotope evidence for (mostly) stable local environments during the South African Middle Stone Age from Sibudu, KwaZulu-Natal. <b>2018</b> , 100, 32-44		8
471	Reconstructing Terrestrial Paleoenvironments Using Sedimentary Organic Biomarkers. <b>2018</b> , 121-149		2

470	Isotope Ecology from Biominerals. <b>2018</b> , 99-120		1
469	Direct oxygen isotope effect identifies the rate-determining step of electrocatalytic OER at an oxidic surface. <b>2018</b> , 9, 4565		36
468	Depletion of <sup>13</sup> C in residual ethane and propane during thermal decomposition in sedimentary basins. <b>2018</b> , 125, 121-128		20
467	Oxygen and Carbon Stable Isotope Composition of Cretaceous to Pliocene Calcareous Paleosols in the Tian Shan Region (Central Asia): Controlling Factors and Paleogeographic Implications. <b>2018</b> , 8, 330		6
466	Climatic Controls on C4 Grassland Distributions During the Neogene: A Model-Data Comparison. <b>2018</b> , 6,		6
465	Stable isotope signatures in white-tailed deer as a seasonal paleoenvironmental proxy: A case study from Georgia, United States. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 505, 53-62	2.9	5
464	Pedogenic and microbial interrelations to regional climate and local topography: New insights from a climate gradient (arid to humid) along the Coastal Cordillera of Chile. <b>2018</b> , 170, 335-355		42
463	Developing a Carbon Isotope Chronology for a Coastal Subtropical Tree Species with Variable Subannual Tree-Ring Growth. <b>2018</b> , 344, 828-842		3
462	Factors Controlling Carbon and Hydrogen Isotope Fractionation During Biosynthesis of Lipids by Phototrophic Organisms. <b>2018</b> , 1-24		
461	Using Stable Carbon Isotopes to Study C and C Photosynthesis: Models and Calculations. <b>2018</b> , 1770, 155-196		16
460	The effect of saline-alkaline and water stresses on water use efficiency and standing biomass of <i>Phragmites australis</i> and <i>Bolboschoenus planiculmis</i> . <i>Science of the Total Environment</i> , <b>2018</b> , 644, 207-216 <sup>10.2</sup>		22
459	Isotopic turnover rates and diet-tissue discrimination depend on feeding habits of freshwater snails. <b>2018</b> , 13, e0199713		5
458	5000 years of dietary variations of prehistoric farmers in the Great Hungarian Plain. <b>2018</b> , 13, e0197214		13
457	European Loess Records ?. <b>2018</b> ,		2
456	Inter-molecular variations of fatty acid <b>D</b> in algae and submerged plants from the north-eastern Tibetan Plateau. <b>2018</b> , 122, 17-28		7
455	Isotopes in cultural heritage: present and future possibilities. <b>2018</b> , 6,		6
454	Respiration and Metabolic Age as Controls of Bottom Water Hypoxia on the Louisiana Continental Shelf; 18 <sup>13</sup> C as the Ghost of Respiration Past. <b>2018</b> , 41, 1297-1313		
453	Using stable isotope technique in order to assess the dietary habits of a Roman population in Greece. <i>Journal of Archaeological Science: Reports</i> , <b>2018</b> , 22, 470-481	0.7	3

452	Reconstruction of human subsistence and husbandry strategies from the Iberian Early Neolithic: A stable isotope approach. <b>2018</b> , 167, 257-271		12
451	Effects of Phragmites Management on the Ecology of a Wetland. <b>2018</b> , 25, 418-436		1
450	Millennial-scale variability in south-east Australian hydroclimate between 30,000 and 10,000 years ago. <b>2018</b> , 192, 106-122		15
449	Investigating dietary patterns and human mobility in bone apatite at the Zhuangqiaofen site (5000-3700 BP), Zhejiang Province, China. <i>Quaternary International</i> , <b>2018</b> , 493, 245-251	2	2
448	Breastfeeding and weaning practices of the ancestral Ohlone Indians of California: A case study using stable isotope analysis of bone collagen. <i>International Journal of Osteoarchaeology</i> , <b>2018</b> , 28, 523-534	1.1	3
447	Petrographical and organic geochemical study of the lignite from the Smederevsko Pomoravlje field (Kostolac Basin, Serbia). <b>2018</b> , 195, 139-171		12
446	Of cattle and feasts: Multi-isotope investigation of animal husbandry and communal feasting at Neolithic Makriyalos, northern Greece. <b>2018</b> , 13, e0194474		17
445	Hydroclimatic variability and corresponding vegetation response in the Darjeeling Himalaya, India over the past ~2400 years. <b>2018</b> , 170, 84-99		12
444	The beginning of herding and animal management: the early development of caprine herding on the Konya plain, central Anatolia. <b>2018</b> , 68, 1-31		11
443	High frequency abrupt shifts in the Indian summer monsoon since Younger Dryas in the Himalaya. <b>2018</b> , 8, 9287		32
442	Pasture usage by ancient pastoralists in the northern Kazakh steppe informed by carbon and nitrogen isoscapes of contemporary floral biomes. <i>Archaeological and Anthropological Sciences</i> , <b>2019</b> , 11, 2151-2166	1.8	7
441	Stable isotope ratio analysis of bone collagen as indicator of different dietary habits and environmental conditions in northeastern Iberia during the 4th and 3rd millennium cal B.C.. <i>Archaeological and Anthropological Sciences</i> , <b>2019</b> , 11, 3931-3947	1.8	5
440	Linking variation in intrinsic water-use efficiency to isohydricity: a comparison at multiple spatiotemporal scales. <i>New Phytologist</i> , <b>2019</b> , 221, 195-208	9.8	44
439	High-resolution paleoclimatic records spanning the past 30 cal ka BP inferred from Qionghai Lake sediments in south-west China: Insights from geochemical investigations and grain-size characteristics. <b>2019</b> , 54, 2495-2507		4
438	Seasonal dynamics of foliar $\delta^{13}C$ and nutrient concentration of Chinese chastetree and spine jujube in foothill rock outcrop habitat of the southern Taihang Mountains, Central China. <b>2019</b> , 30, 45-56		2
437	Leaf Wax $\delta D$ and $\delta^{13}C$ in Soils Record Hydrological and Environmental Information Across a Climatic Gradient in Israel. <b>2019</b> , 124, 2898-2916		7
436	Late Quaternary palaeoenvironmental change in the year-round rainfall zone of South Africa derived from peat sediments from Vankervelsvlei. <b>2019</b> , 218, 200-214		7
435	Isotope-based water-use efficiency of major greening plants in a sponge city in northern China. <b>2019</b> , 14, e0220083		3



434	A high-performance system of multiple gas-exchange chambers with a laser spectrometer to estimate leaf photosynthesis, stomatal conductance, and mesophyll conductance. <b>2019</b> , 132, 705-718	2
433	Plasticity and specialisation in the isotopic niche of African clawless otters foraging in marine and freshwater habitats. <b>2019</b> , 98, 61-72	6
432	Environment Variation in North Margin of East Asian Summer Monsoon Record in Dali Lake over Past 168 Years. <b>2019</b> , 46, 172-181	4
431	Stomatal response in soybean during drought improves leaf-scale and field-scale water use efficiencies. <b>2019</b> , 276-277, 107629	13
430	Stable isotope analysis of white-tailed deer teeth as a paleoenvironmental proxy at the Maya site of La Joyanca, northwestern Peten, Guatemala. <b>2019</b> , 55, 344-365	2
429	Social stratification and human diet in the Eastern Zhou China: An isotopic view from the Central Plains. <b>2019</b> , 20, 100162	8
428	Application of Stable Carbon Isotopes in a Subtropical North Atlantic Mesocosm Study: A New Approach to Assess CO <sub>2</sub> Effects on the Marine Carbon Cycle. <b>2019</b> , 6,	4
427	Composition of lipids from the First Lusatian lignite seam of the Konin Basin (Poland): Relationships with vegetation, climate and carbon cycling during the mid-Miocene Climatic Optimum. <b>2019</b> , 138, 103908	10
426	Unraveling the genetic architecture for carbon and nitrogen related traits and leaf hydraulic conductance in soybean using genome-wide association analyses. <b>2019</b> , 20, 811	7
425	Position-Specific Carbon Stable Isotope Ratios by Proton NMR Spectroscopy. <b>2019</b> , 91, 15661-15669	9
424	Multidisciplinary investigations of the diets of two post-medieval populations from London using stable isotopes and microdebris analysis. <i>Archaeological and Anthropological Sciences</i> , <b>2019</b> , 11, 6161-6181	6
423	Whole-plant instantaneous and short-term water-use efficiency in response to soil water content and CO <sub>2</sub> concentration. <b>2019</b> , 444, 281-298	2
422	Anthropogenic disturbances of natural ecohydrological processes in the Matlabas mountain mire, South Africa. <b>2019</b> , 115,	
421	Elemental Analyzer/Isotope Ratio Mass Spectrometry (EA/IRMS) as a Tool to Characterize Plastic Polymers in a Marine Environment. <b>2019</b> ,	2
420	Variation of carbon and isotope natural abundances ( $\delta^{13}C$ and $\delta^{15}N$ ) of whole-plant sweet potato ( <i>Ipomoea batatas</i> L.) subjected to prolonged water stress. <b>2019</b> , 243, 153052	7
419	Factors affecting <sup>13</sup> C enrichment of vegetation and soil in temperate grasslands in Inner Mongolia, China. <b>2019</b> , 19, 2190-2199	3
418	North America's oldest boreal trees are more efficient water users due to increased [CO <sub>2</sub> ], but do not grow faster. <b>2019</b> , 116, 2749-2754	57
417	A critical reevaluation of palaeoclimate proxy records from loess in the Carpathian Basin. <b>2019</b> , 190, 498-520	49



416	Greenhouse gas formation in ice wedges at Cyuie, central Yakutia. <b>2019</b> , 30, 48-57		5
415	An insight into Bronze Age subsistence strategy in forested Carpathian foothills, based on plant macro-remains. <i>Archaeological and Anthropological Sciences</i> , <b>2019</b> , 11, 2879-2895	1.8	5
414	Holocene thermokarst dynamics in Central Yakutia [A multi-core and robust grain-size endmember modeling approach. <b>2019</b> , 218, 10-33		11
413	Testing the accuracy of new paleoatmospheric CO <sub>2</sub> proxies based on plant stable carbon isotopic composition and stomatal traits in a range of simulated paleoatmospheric O <sub>2</sub> :CO <sub>2</sub> ratios. <b>2019</b> , 259, 69-90		16
412	Trophic responses to aquatic pollution of native and exotic livebearer fishes. <i>Science of the Total Environment</i> , <b>2019</b> , 681, 503-515	10.2	20
411	Revisiting the 3000-year-old Neolithic burial ground of Gua Harimau, West Malaysia. <b>2019</b> , 18, 120-129		2
410	Late Pleistocene site formation and paleoclimate at Lapa do Picareiro, Portugal. <b>2019</b> , 34, 698-726		11
409	Carbon sequestration in soil amended with anaerobic digested matter. <b>2019</b> , 192, 87-94		12
408	Stable isotopic composition of rice grain organic matter marking an abrupt shift of hydroclimatic condition during the cultural transformation of Harappan civilization. <i>Quaternary International</i> , <b>2019</b> , 512, 144-154	2	1
407	Ecological and hydroclimate responses to strengthening of the Hadley circulation in South America during the Late Miocene cooling. <b>2019</b> , 116, 9747-9752		17
406	Carbon isoscapes of rodent diets in the Great Plains USA deviate from regional gradients in C <sub>4</sub> grass abundance due to a preference for C <sub>3</sub> plant resources. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2019</b> , 527, 53-66	2.9	5
405	Economic and socio-cultural consequences of changing political rule on human and faunal diets in medieval Valencia (c. fifth-fifteenth century AD) as evidenced by stable isotopes. <i>Archaeological and Anthropological Sciences</i> , <b>2019</b> , 11, 3875-3893	1.8	13
404	Effects of peat decomposition on $\delta^{13}C$ and $\delta^{15}N$ depth profiles of Alpine bogs. <b>2019</b> , 178, 1-10		21
403	Holocene cultural and climate shifts in NW Africa as inferred from stable isotopes of archeological land snail shells. <b>2019</b> , 29, 1078-1093		6
402	Trial analysis of drug profiling by liquid chromatography/mass spectrometry and inductively coupled plasma mass spectrometry to establish the origin of ephedrine used as precursors for illicit production of methamphetamine. <b>2019</b> , 33, 995-1005		2
401	Soil microbial communities and their carbon assimilation are affected by soil properties and season but not by plants differing in their photosynthetic pathways (C <sub>3</sub> vs. C <sub>4</sub> ). <b>2019</b> , 142, 175-187		12
400	Carbon-use strategies in stem radial growth of two oak species, one Temperate deciduous and one Mediterranean evergreen: what can be inferred from seasonal variations in the $\delta^{13}C$ of the current year ring?. <i>Tree Physiology</i> , <b>2019</b> , 39, 1329-1341	4.2	6
399	Isotopic variation within Tasmanian bare-nosed wombat tooth enamel: Implications for archaeological and palaeoecological research. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2019</b> , 523, 97-115	2.9	2

398	Past climate changes over South Korea during MIS3 and MIS1 and their links to regional and global climate changes. <i>Quaternary International</i> , <b>2019</b> , 519, 74-81	2	6
397	Increased winter-spring precipitation from the last glaciation to the Holocene inferred from a $\delta^{13}\text{C}_{\text{org}}$ record from Yili Basin (Xinjiang, NW China). <b>2019</b> , 62, 1125-1137		6
396	Plastome Phylogenetics of Tribe Eriachneae and Evolution of C4 Photosynthesis in Subfamily Micrairoideae (Poaceae). <b>2019</b> , 44, 32-40		2
395	Climate and lawn management interact to control C plant distribution in residential lawns across seven U.S. cities. <b>2019</b> , 29, e01884		6
394	Exploring diet and status in the Medieval and Modern periods of Asturias, Spain, using stable isotopes from bone collagen. <i>Archaeological and Anthropological Sciences</i> , <b>2019</b> , 11, 3837-3855	1.8	7
393	Ecological flexibility and differential survival of Pleistocene <i>Stegodon orientalis</i> and <i>Elephas maximus</i> in mainland southeast Asia revealed by stable isotope (C, O) analysis. <b>2019</b> , 212, 33-44		16
392	Isoscapes for Terrestrial Migration Research. <b>2019</b> , 53-84		7
391	Spatial heterogeneity in the relationship between precipitation and carbon isotopic discrimination in C3 plants: Inferences from a global compilation. <b>2019</b> , 176, 123-131		23
390	Including Stable Carbon Isotopes to Evaluate the Dynamics of Soil Carbon in the Land-Surface Model ORCHIDEE. <b>2019</b> , 11, 3650-3669		5
389	Ecosystem functioning in urban grasslands: The role of biodiversity, plant invasions and urbanization. <b>2019</b> , 14, e0225438		10
388	Natural Carbon Isotope Composition Distinguishes Compound Groups of Biogenic Volatile Organic Compounds (BVOC) in Two Mediterranean Woody Species. <b>2019</b> , 2,		5
387	Isotope Analysis for Diet Studies. <b>2019</b> , 125-144		5
386	A Holocene paleoenvironmental record based on ungulate stable isotopes from Lukenya Hill, Kenya. <i>Journal of Archaeological Science: Reports</i> , <b>2019</b> , 28, 102016	0.7	0
385	Complexities of Stable Carbon and Nitrogen Isotope Biogeochemistry in Ancient Freshwater Ecosystems: Implications for the Study of Past Subsistence and Environmental Change. <b>2019</b> , 7,		35
384	The use of stable isotope ratio analysis to characterise saw palmetto ( <i>Serenoa Repens</i> ) extract. <b>2019</b> , 274, 26-34		2
383	Do Uncharred Plants Preserve Original Carbon and Nitrogen Isotope Compositions?. <b>2019</b> , 26, 844-872		6
382	Estimations of indirect and direct anthropogenic dust emission at the global scale. <b>2019</b> , 200, 50-60		15
381	Use of carbon isotopic ratios in nontargeted analysis to screen for anthropogenic compounds in complex environmental matrices. <b>2019</b> , 1583, 73-79		2

380	Stable carbon isotopes from paleosol carbonate and herbivore enamel document differing paleovegetation signals in the eastern African Plio-Pleistocene. <b>2019</b> , 261, 41-52		13
379	Climatic significance of the stable carbon isotopic composition of surface soils in northern Iran and its application to an Early Pleistocene loess section. <b>2019</b> , 127, 104-114		10
378	Dissolved carbon, greenhouse gases, and $\delta^{13}\text{C}$ dynamics in four estuaries across a land use gradient. <b>2019</b> , 81, 1		13
377	Isotope ratio mass spectrometry in antidoping analysis: The use of endogenous reference compounds. <b>2019</b> , 33, 579-586		7
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369	Using springbok ( <i>Antidorcas</i> ) dietary proxies to reconstruct inferred palaeovegetational changes over 2 million years in Southern Africa. <i>Journal of Archaeological Science: Reports</i> , <b>2019</b> , 23, 1014-1028	0.7	3
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