# Thomas W Boutton

## List of Publications by Year in Descending Order



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| 145 papers | 8,675 citations | 46 h-index | 90 g-index |
| 162 ext. papers | 9,377 ext. citations | 5 avg, IF | 5.84 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 145 | Compatibility of Dual Enterprises for Cattle and Deer in North America: A Quantitative Review. *Rangeland Ecology and Management*, **2021**, 74, 21-31 | 2.2 | 2 |
| 144 | Ecosystem sulfur accumulation following woody encroachment drives a more open S-cycle in a Subtropical Savanna. *Biogeochemistry*, **2021**, 155, 343-355 | 3.8 | 0 |
| 143 | The effects of plant structure and flow properties on the physical response of coastal dune plants to wind and wave run-up. *Estuarine, Coastal and Shelf Science*, **2021**, 261, 107556 | 2.9 | 1 |
| 142 | Bottomland hardwood forest growth and stress response to hydroclimatic variation: evidence from dendrochronology and tree ring <sup>13</sup>C values. *Biogeosciences*, **2020**, 17, 5639-5653 | 4.6 | 3 |
| 141 | Bound and mobile soil water isotope ratios are affected by soil texture and mineralogy, whereas extraction method influences their measurement. *Hydrological Processes*, **2020**, 34, 991-1003 | 3.3 | 13 |
| 140 | Diet sources of the endangered Attwater's prairie-chicken in Texas: evidence from δ13C, δ15N, and Bayesian mixing models. *Ecosphere*, **2020**, 11, e03269 | 3.1 | 0 |
| 139 | Root density distribution and biomass allocation of co-occurring woody plants on contrasting soils in a subtropical savanna parkland. *Plant and Soil*, **2019**, 438, 263-279 | 4.2 | 12 |
| 138 | Forest organic matter removal leads to long-term reductions in bacterial and fungal abundance. *Applied Soil Ecology*, **2019**, 137, 106-110 | 5 | 8 |
| 137 | Comment on "The global tree restoration potential". *Science*, **2019**, 366, | 33.3 | 109 |
| 136 | A Three-Dimensional Assessment of Soil δ13C in a Subtropical Savanna: Implications for Vegetation Change and Soil Carbon Dynamics. *Soil Systems*, **2019**, 3, 73 | 3.5 | 1 |
| 135 | Biochar amendment suppresses N O emissions but has no impact on N site preference in an anaerobic soil. *Rapid Communications in Mass Spectrometry*, **2019**, 33, 165-175 | 2.2 | 1 |
| 134 | Bacterial metataxonomic profile and putative functional behavior associated with C and N cycle processes remain altered for decades after forest harvest. *Soil Biology and Biochemistry*, **2018**, 119, 184-193 | 7.5 | 24 |
| 133 | Rooting strategies in a subtropical savanna: a landscape-scale three-dimensional assessment. *Oecologia*, **2018**, 186, 1127-1135 | 2.9 | 5 |
| 132 | Soil phosphorus does not keep pace with soil carbon and nitrogen accumulation following woody encroachment. *Global Change Biology*, **2018**, 24, 1992-2007 | 11.4 | 19 |
| 131 | Vegetation change alters soil profile δ15N values at the landscape scale. *Soil Biology and Biochemistry*, **2018**, 119, 110-120 | 7.5 | 7 |
| 130 | Isotopic Methods for the Study of Soil Organic Matter Dynamics. *Soil Science Society of America Book Series*, **2018**, 865-906 | | 6 |
| 129 | Woody plant encroachment amplifies spatial heterogeneity of soil phosphorus to considerable depth. *Ecology*, **2018**, 99, 136-147 | 4.6 | 26 |

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| 128 | Organic matter removal associated with forest harvest leads to decade scale alterations in soil fungal communities and functional guilds. *Soil Biology and Biochemistry*, **2018**, 127, 127-136 | 7.5 | 8 |
| 127 | Effects of nitrogen addition on soil organic carbon mineralization after maize stalk addition. *European Journal of Soil Biology*, **2018**, 89, 33-38 | 2.9 | 9 |
| 126 | Soil C:N:P stoichiometry responds to vegetation change from grassland to woodland. *Biogeochemistry*, **2018**, 140, 341-357 | 3.8 | 30 |
| 125 | Soil carbon response to woody plant encroachment: importance of spatial heterogeneity and deep soil storage. *Journal of Ecology*, **2017**, 105, 1738-1749 | 6 | 29 |
| 124 | Forest harvest intensity and soil depth alter inorganic nitrogen pool sizes and ammonia oxidizer community composition. *Soil Biology and Biochemistry*, **2017**, 112, 216-227 | 7.5 | 21 |
| 123 | Decadal-scale changes in forest soil carbon and nitrogen storage are influenced by organic matter removal during timber harvest. *Journal of Geophysical Research G: Biogeosciences*, **2017**, 122, 846-862 | 3.7 | 8 |
| 122 | Spatial heterogeneity of subsurface soil texture drives landscape-scale patterns of woody patches in a subtropical savanna. *Landscape Ecology*, **2017**, 32, 915-929 | 4.3 | 17 |
| 121 | The spatial distribution of soil organic carbon in tidal wetland soils of the continental United States. *Global Change Biology*, **2017**, 23, 5468-5480 | 11.4 | 46 |
| 120 | Initial aggregate formation and soil carbon storage from lipid-extracted algae amendment. *AIMS Environmental Science*, **2017**, 4, 743-762 | 1.9 | |
| 119 | Nitrogen trace gas fluxes from a semiarid subtropical savanna under woody legume encroachment. *Global Biogeochemical Cycles*, **2016**, 30, 614-628 | 5.9 | 18 |
| 118 | Grassland to woodland transitions: Dynamic response of microbial community structure and carbon use patterns. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 1675-1688 | 3.7 | 13 |
| 117 | Soil C and N storage and microbial biomass in US southern pine forests: Influence of forest management. *Forest Ecology and Management*, **2015**, 355, 48-57 | 3.9 | 26 |
| 116 | Investigating patterns of symbiotic nitrogen fixation during vegetation change from grassland to woodland using fine scale (δ15) N measurements. *Plant, Cell and Environment*, **2015**, 38, 89-100 | 8.4 | 20 |
| 115 | Chemical and Isotopic Thresholds in Charring: Implications for the Interpretation of Charcoal Mass and Isotopic Data. *Environmental Science & Technology*, **2015**, 49, 14057-64 | 10.3 | 21 |
| 114 | Quality of fresh organic matter affects priming of soil organic matter and substrate utilization patterns of microbes. *Scientific Reports*, **2015**, 5, 10102 | 4.9 | 85 |
| 113 | Belowground Carbon Storage and Dynamics Accompanying Woody Plant Encroachment in a Subtropical Savanna. *SSSA Special Publication Series*, **2015**, 181-205 | 0 | 13 |
| 112 | The role of elevation, relative sea-level history and vegetation transition in determining carbon distribution in Spartina alterniflora dominated salt marshes. *Estuarine, Coastal and Shelf Science*, **2015**, 154, 48-57 | 2.9 | 29 |
| 111 | Soil Ecosystem Services in Loblolly Pine Plantations 15 Years after Harvest, Compaction, and Vegetation Control. *Soil Science Society of America Journal*, **2014**, 78, 2032-2040 | 2.5 | 17 |

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| 110 | Root Biomass and Distribution Patterns in a Semi-Arid Mesquite Savanna: Responses to Long-Term Rainfall Manipulation. *Rangeland Ecology and Management*, **2014**, 67, 206-218 | 2.2 | 21 |
| 109 | Soil Carbon Sequestration in Sorghum Cropping Systems. *Soil Science*, **2014**, 179, 68-74 | 0.9 | 6 |
| 108 | Long-term incubations of size and density separated soil fractions to inform soil organic carbon decay dynamics. *Soil Biology and Biochemistry*, **2013**, 57, 496-503 | 7.5 | 21 |
| 107 | Changes to soil organic N dynamics with leguminous woody plant encroachment into grasslands. *Biogeochemistry*, **2013**, 113, 307-321 | 3.8 | 28 |
| 106 | 15N isoscapes in a subtropical savanna parkland: spatial-temporal perspectives. *Ecosphere*, **2013**, 4, art4 | 3.1 | 23 |
| 105 | Woody plant encroachment into grasslands: spatial patterns of functional group distribution and community development. *PLoS ONE*, **2013**, 8, e84364 | 3.7 | 14 |
| 104 | Spatial variation of soil δ13C and its relation to carbon input and soil texture in a subtropical lowland woodland. *Soil Biology and Biochemistry*, **2012**, 44, 102-112 | 7.5 | 38 |
| 103 | Spatial patterns of soil δ13C reveal grassland-to-woodland successional processes. *Organic Geochemistry*, **2012**, 42, 1512-1518 | 3.1 | 28 |
| 102 | Degree of woody encroachment into grasslands controls soil carbohydrate and amino compound changes during long term laboratory incubation. *Organic Geochemistry*, **2012**, 52, 23-31 | 3.1 | 13 |
| 101 | New correlation of stable carbon isotopes with changing late-Holocene fluvial environments in the Trinity River basin of Texas, USA. *Holocene*, **2012**, 22, 541-549 | 2.6 | 9 |
| 100 | Quantifying soil organic carbon in complex landscapes: an example of grassland undergoing encroachment of woody plants. *Global Change Biology*, **2011**, 17, 1119-1129 | 11.4 | 28 |
| 99 | Controls on soil carbon accumulation during woody plant encroachment: Evidence from physical fractionation, soil respiration, and δ13C of respired CO2. *Soil Biology and Biochemistry*, **2011**, 43, 1678-1687 | 7.5 | 47 |
| 98 | Restoration of C4 grasses with seasonal fires in a C3/C4 grassland invaded by Prosopis glandulosa, a fire-resistant shrub. *Applied Vegetation Science*, **2010**, 13, 520-530 | 3.3 | 16 |
| 97 | Changes in soil nitrogen storage and δ15N with woody plant encroachment in a subtropical savanna parkland landscape. *Journal of Geophysical Research*, **2010**, 115, | | 36 |
| 96 | Spatial variation in biodiversity and trophic structure of soil nematode communities in a subtropical savanna parkland: Responses to woody plant encroachment. *Applied Soil Ecology*, **2010**, 46, 168-176 | 5 | 5 |
| 95 | Assessment of the mobility and time of renewal of the densimetric fractions of organic matter in chestnut soils from the ratio of stable carbon isotopes. *Eurasian Soil Science*, **2010**, 43, 533-540 | 1.5 | 2 |
| 94 | Vertic processes and specificity of organic matter properties and distribution in Vertisols. *Eurasian Soil Science*, **2010**, 43, 1467-1476 | 1.5 | 11 |
| 93 | Structural and functional diversity of soil bacterial and fungal communities following woody plant encroachment in the southern Great Plains. *Soil Biology and Biochemistry*, **2010**, 42, 1816-1824 | 7.5 | 55 |

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| 92 | Biodiversity and trophic structure of soil nematode communities are altered following woody plant invasion of grassland. *Soil Biology and Biochemistry*, **2009**, 41, 1943-1950 | 7.5 | 39 |
| 91 | Spatial variation of the stable nitrogen isotope ratio of woody plants along a topoedaphic gradient in a subtropical savanna. *Oecologia*, **2009**, 159, 493-503 | 2.9 | 40 |
| 90 | Spatial scaling of ecosystem C and N in a subtropical savanna landscape. *Global Change Biology*, **2009**, 16, 2213-2223 | 11.4 | 31 |
| 89 | Landscape-scale vegetation dynamics inferred from spatial patterns of soil δ13C in a subtropical savanna parkland. *Journal of Geophysical Research*, **2009**, 114, | | 25 |
| 88 | Effect of Composted Biosolids on Soil Organic Carbon Storage During Establishment of Transplanted Sod. *Hortscience: A Publication of the American Society for Hortcultural Science*, **2009**, 44, 503-507 | 2.4 | 3 |
| 87 | Soil microbial biomass response to woody plant invasion of grassland. *Soil Biology and Biochemistry*, **2008**, 40, 1207-1216 | 7.5 | 98 |
| 86 | Partitioning soil surface CO2 efflux into autotrophic and heterotrophic components, using natural gradients in soil δ13C in an undisturbed savannah soil. *Soil Biology and Biochemistry*, **2008**, 40, 1575-1582 | 7.5 | 56 |
| 85 | Nematode community development early in ecological restoration: The role of organic amendments. *Soil Biology and Biochemistry*, **2008**, 40, 2366-2374 | 7.5 | 35 |
| 84 | Recognizing Women in the Archeological Record. *Archeological Papers of the American Anthropological Association*, **2008**, 2, 89-101 | 0.4 | 1 |
| 83 | Chemical changes to nonaggregated particulate soil organic matter following grassland-to-woodland transition in a subtropical savanna. *Journal of Geophysical Research*, **2008**, 113, | | 79 |
| 82 | Plant Community and Soil Microbial Carbon and Nitrogen Responses to Fire and Clipping in a Southern Mixed Grassland. *Rangeland Ecology and Management*, **2008**, 61, 580-587 | 2.2 | 16 |
| 81 | Variation in woody plant delta(13)C along a topoedaphic gradient in a subtropical savanna parkland. *Oecologia*, **2008**, 156, 479-89 | 2.9 | 29 |
| 80 | Soil Respiration in a Subtropical Savanna Parkland: Response to Water Additions. *Soil Science Society of America Journal*, **2007**, 71, 820-828 | 2.5 | 64 |
| 79 | Fire and grazing in grasslands of the Argentine Caldenal: Effects on plant and soil carbon and nitrogen. *Acta Oecologica*, **2007**, 32, 207-214 | 1.7 | 35 |
| 78 | Storage and dynamics of carbon and nitrogen in soil physical fractions following woody plant invasion of grassland. *Soil Biology and Biochemistry*, **2006**, 38, 3184-3196 | 7.5 | 163 |
| 77 | Organic matter turnover in soil physical fractions following woody plant invasion of grassland: Evidence from natural 13C and 15N. *Soil Biology and Biochemistry*, **2006**, 38, 3197-3210 | 7.5 | 161 |
| 76 | Soil organic carbon and black carbon storage and dynamics under different fire regimes in temperate mixed-grass savanna. *Global Biogeochemical Cycles*, **2006**, 20, n/a-n/a | 5.9 | 44 |
| 75 | Soil carbon and nitrogen storage in response to fire in a temperate mixed-grass savanna. *Journal of Environmental Quality*, **2006**, 35, 1620-8 | 3.4 | 19 |

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| 74 | Grazing and Ecosystem Carbon Storage in the North American Great Plains. *Plant and Soil*, **2006**, 280, 77-90 | 4.2 | 175 |
| 73 | Above-ground biomass and carbon and nitrogen content of woody species in a subtropical thornscrub parkland. *Journal of Arid Environments*, **2005**, 62, 23-43 | 2.5 | 60 |
| 72 | Elevated atmospheric carbon dioxide increases soil carbon.. *Global Change Biology*, **2005**, 11, 2057-2064 | 11.4 | 194 |
| 71 | Black carbon in a temperate mixed-grass savanna. *Soil Biology and Biochemistry*, **2005**, 37, 1879-1881 | 7.5 | 96 |
| 70 | Drought stress influences leaf water content, photosynthesis, and water-use efficiency of Hibiscus rosa-sinensis at three potassium concentrations. *Photosynthetica*, **2005**, 43, 135-140 | 2.2 | 137 |
| 69 | Regional variation and relationships between the contaminants dde and selenium and stable isotopes in swallows nesting along the Rio Grande and one reference site, Texas, USA. *Isotopes in Environmental and Health Studies*, **2005**, 41, 69-85 | 1.5 | 7 |
| 68 | SOIL RESPIRATION AND NUTRIENT CYCLING IN WOODED COMMUNITIES DEVELOPING IN GRASSLAND. *Ecology*, **2004**, 85, 2804-2817 | 4.6 | 140 |
| 67 | Above- and below-ground responses of C3□4 species mixtures to elevated CO2 and soil water availability. *Global Change Biology*, **2003**, 9, 452-460 | 11.4 | 56 |
| 66 | Vegetation dynamics in a Quercus-Juniperus savanna: An isotopic assessment. *Journal of Vegetation Science*, **2003**, 14, 841-852 | 3.1 | 27 |
| 65 | C4 Plant Productivity and Climate-CO2 Variations in South-Central Texas during the Late Quaternary. *Quaternary Research*, **2002**, 58, 182-188 | 1.9 | 76 |
| 64 | Natural Abundances of Carbon Isotopes (14C, 13C) in Lichens and Calcium Oxalate Pruina: Implications for Archaeological and Paleoenvironmental Studies. *Radiocarbon*, **2002**, 44, 675-683 | 4.6 | 34 |
| 63 | Accelerator Mass Spectrometry Radiocarbon Ages of an Oxalate Accretion and Rock Paintings at Toca do Serrote da Bastiana, Brazil. *ACS Symposium Series*, **2002**, 22-35 | 0.4 | 16 |
| 62 | Stable Isotope and Radiocarbon Analyses of a Black Deposit Associated with Pictographs at Little Lost River Cave, Idaho. *Journal of Archaeological Science*, **2002**, 29, 1189-1198 | 2.9 | 11 |
| 61 | Alleviation of drought stress of Chile ancho pepper (Capsicum annuum L. cv. San Luis) with arbuscular mycorrhiza indigenous to Mexico. *Scientia Horticulturae*, **2002**, 92, 347-359 | 4.1 | 65 |
| 60 | Trees in Grasslands **2001**, 115-137 | | 161 |
| 59 | A paleoclimate reconstruction for southwestern Texas using oxalate residue from lichen as a paleoclimate proxy. *Quaternary International*, **2000**, 67, 29-36 | 2 | 34 |
| 58 | Stable isotopes in ecosystem science: structure, function and dynamics of a subtropical Savanna. *Rapid Communications in Mass Spectrometry*, **1999**, 13, 1263-77 | 2.2 | 109 |
| 57 | Water use by woody plants on contrasting soils in a savanna parkland: assessment with □H and □18O. *Plant and Soil*, **1998**, 205, 13-24 | 4.2 | 65 |

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| 56 | Soil carbonate decomposition by acid has little effect on δ13C of organic matter. *Soil Biology and Biochemistry*, **1998**, 30, 1301-1307 | 7.5 | 208 |
| 55 | δ13C values of soil organic carbon and their use in documenting vegetation change in a subtropical savanna ecosystem. *Geoderma*, **1998**, 82, 5-41 | 6.7 | 392 |
| 54 | Quantifying pedogenic carbonate accumulations using stable carbon isotopes. *Geoderma*, **1998**, 82, 115-136 | 6.7 | 67 |
| 53 | Differences in Soil Water Use by Annual Broomweed and Grasses. *Journal of Range Management*, **1998**, 51, 200 | | 16 |
| 52 | Does grazing mediate soil carbon and nitrogen accumulation beneath C4, perennial grasses along an environmental gradient?. *Plant and Soil*, **1997**, 191, 147-156 | 4.2 | 104 |
| 51 | Spatial Variability in the Potential for Symbiotic N 2 Fixation by Woody Plants in a Subtropical Savanna Ecosystem. *Journal of Applied Ecology*, **1996**, 33, 1125 | 5.8 | 60 |
| 50 | Carbon Dynamics of Aggregate-Associated Organic Matter Estimated by Carbon-13 Natural Abundance. *Soil Science Society of America Journal*, **1996**, 60, 801-807 | 2.5 | 317 |
| 49 | Origin of the Whewellite-Rich Rock Crust in the Lower Pecos Region of Southwest Texas and Its Significance to Paleoclimate Reconstructions. *Quaternary Research*, **1996**, 46, 27-36 | 1.9 | 60 |
| 48 | Contribution of flexible allocation priorities to herbivory tolerance in C perennial grasses: an evaluation with C labeling. *Oecologia*, **1996**, 105, 151-159 | 2.9 | 79 |
| 47 | Insulin, cortisol and thyroid hormones modulate maternal protein status and milk production and composition in humans. *Journal of Nutrition*, **1994**, 124, 1248-57 | 4.1 | 33 |
| 46 | Identification of Annual Rings in an Arid-Land Woody Plant, Prosopis Glandulosa. *Ecology*, **1994**, 75, 850-853 | 4.5 | 21 |
| 45 | Climate, CO2 and plant abundance. *Nature*, **1994**, 372, 625-626 | 50.4 | 33 |
| 44 | Late Quaternary Vegetation and Climate Changes in Central Texas Based on the Isotopic Composition of Organic Carbon. *Quaternary Research*, **1994**, 41, 109-120 | 1.9 | 140 |
| 43 | Technical note: labeling of forages with 13C for nutrition and metabolism studies. *Journal of Animal Science*, **1993**, 71, 1320-5 | 0.7 | 14 |
| 42 | Stable carbon isotope analysis of soil organic matter illustrates vegetation change at the grassland/woodland boundary in southeastern Arizona, USA. *Oecologia*, **1993**, 93, 95-101 | 2.9 | 91 |
| 41 | Carbon Isotope Composition and Gas Exchange of Loblolly and Shortleaf Pine as Affected by Ozone and Water Stress **1993**, 227-244 | | 8 |
| 40 | Environmental and Developmental Effects on Carbon Isotope Discrimination by Two Species of Phaseolus **1993**, 297-309 | | 5 |
| 39 | An economical method for the preparation of plant and animal tissue for δ13C analysis. *Communications in Soil Science and Plant Analysis*, **1991**, 22, 177-190 | 1.5 | 17 |

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| 38 | Stable carbon isotopes and the study of prehistoric human diet. *Critical Reviews in Food Science and Nutrition*, **1991**, 30, 373-85 | 11.5 | 15 |
| 37 | Impact of dietary cereal on nutrient absorption and fecal nitrogen loss in formula-fed infants. *Journal of Pediatrics*, **1991**, 118, 39-43 | 3.6 | 12 |
| 36 | Absorption of carbon 13-labeled rice in milk by infants during acute gastroenteritis. *Journal of Pediatrics*, **1991**, 118, 526-30 | 3.6 | 12 |
| 35 | Stable Carbon Isotope Ratios of Natural Materials: I. Sample Preparation and Mass Spectrometric Analysis **1991**, 155-171 | | 104 |
| 34 | Tracer Studies with 13C-Enriched Substrates: Humans and Large Animals **1991**, 219-242 | | 9 |
| 33 | Stable Carbon Isotope Ratios of Natural Materials: II. Atmospheric, Terrestrial, Marine, and Freshwater Environments **1991**, 173-185 | | 219 |
| 32 | Assessment of Carbon Allocation with Stable Carbon Isotope Labeling. *Agronomy Journal*, **1990**, 82, 18-21 | 1.2 | 37 |
| 31 | An assessment of long-term food habits of Tsavo elephants based on stable carbon and nitrogen isotope ratios of bone collagen. *African Journal of Ecology*, **1989**, 27, 219-226 | 0.8 | 33 |
| 30 | Stable Carbon Isotopes in Terrestrial Ecosystem Research. *Ecological Studies*, **1989**, 167-195 | 1.1 | 89 |
| 29 | Biomass dynamics of grassland vegetation in Kenya. *African Journal of Ecology*, **1988**, 26, 89-101 | 0.8 | 34 |
| 28 | Seasonal changes in the nutrient content of East African grassland vegetation. *African Journal of Ecology*, **1988**, 26, 103-115 | 0.8 | 51 |
| 27 | Rooting dynamics of Medicago sativa seedlings growing in association with Bothriochloa caucasica. *Oecologia*, **1988**, 77, 453-456 | 2.9 | 10 |
| 26 | Stable isotopes in the study of human nutrition. *International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes*, **1988**, 39, 503 | | 2 |
| 25 | Epidemiology of Campylobacter pylori Infection: Ethnic Considerations. *Scandinavian Journal of Gastroenterology*, **1988**, 23, 9-13 | 2.4 | 44 |
| 24 | Effect of age on the frequency of active Campylobacter pylori infection diagnosed by the [13C]urea breath test in normal subjects and patients with peptic ulcer disease. *Journal of Infectious Diseases*, **1988**, 157, 777-80 | 7 | 142 |
| 23 | Background levels of carbon-13 reduced in breath and stool by new infant formula. *Journal of Pediatric Gastroenterology and Nutrition*, **1988**, 7, 723-31 | 2.8 | 6 |
| 22 | A carbon-13 breath test to characterize glucose absorption and utilization in children. *Journal of Pediatric Gastroenterology and Nutrition*, **1988**, 7, 842-7 | 2.8 | 16 |
| 21 | Carbon kinetics of milk formation in Holstein cows in late lactation. *Journal of Animal Science*, **1988**, 66, 2636-45 | 0.7 | 34 |

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| 20 | Campylobacter pylori detected noninvasively by the 13C-urea breath test. *Lancet, The*, **1987**, 1, 1174-7 | 40 | 527 |
| 19 | Isotope ratio measurements in nutrition and biomedical research. *Mass Spectrometry Reviews*, **1987**, 6, 289-328 | 11 | 50 |
| 18 | Absorption and oxidation of glucose polymers of different lengths in young infants. *Pediatric Research*, **1986**, 20, 740-3 | 3.2 | 23 |
| 17 | Measurement of 13CO2/12CO2 abundance by nondispersive infrared heterodyne ratiometry as an alternative to gas isotope ratio mass spectrometry. *Analytical Chemistry*, **1986**, 58, 2172-8 | 7.8 | 23 |
| 16 | Stable Carbon Isotopic Evidence for Maize Agriculture in Southeast Missouri and Northeast Arkansas. *American Antiquity*, **1986**, 51, 51-65 | 0.9 | 66 |
| 15 | Lysine and protein metabolism in young women. Subdivision based on the novel use of multiple stable isotopic labels. *Journal of Clinical Investigation*, **1986**, 77, 1321-31 | 15.9 | 21 |
| 14 | Effect of infant age on aminopyrine breath test results. *Pediatric Research*, **1985**, 19, 441-5 | 3.2 | 13 |
| 13 | [13C]Acetate oxidation in infants after oral versus rectal administration: a kinetic model. *Journal of Pediatric Gastroenterology and Nutrition*, **1985**, 4, 699-706 | 2.8 | 5 |
| 12 | Carbon isotope ratios of soil organic matter and their use in assessing community composition changes in Curlew Valley, Utah. *Oecologia*, **1985**, 66, 17-24 | 2.9 | 116 |
| 11 | The use of stable carbon isotope analysis in rooting studies. *Oecologia*, **1985**, 67, 205-208 | 2.9 | 35 |
| 10 | Seasonal water relations of savanna shrubs and grasses in Kenya, East Africa. *Journal of Arid Environments*, **1985**, 8, 15-31 | 2.5 | 27 |
| 9 | Characterization of HCO3-/CO2 pool sizes and kinetics in infants. *Pediatric Research*, **1985**, 19, 358-63 | 3.2 | 21 |
| 8 | Stable Carbon Isotope Ratios as Indicators of Prehistoric Human Diet. *ACS Symposium Series*, **1984**, 191-204 | 2.4 | 15 |
| 7 | Fractionation and turnover of stable carbon isotopes in animal tissues: Implications for □ analysis of diet. *Oecologia*, **1983**, 57, 32-37 | 2.9 | 1288 |
| 6 | Stable isotope analysis of termite food habits in East African grasslands. *Oecologia*, **1983**, 59, 1-6 | 2.9 | 98 |
| 5 | Comparison of quartz and Pyrex tubes for combustion of organic samples for stable carbon isotope analysis. *Analytical Chemistry*, **1983**, 55, 1832-1833 | 7.8 | 142 |
| 4 | Estimation of Plant Biomass by Spectral Reflectance in an East African Grassland. *Journal of Range Management*, **1983**, 36, 213 | | 17 |
| 3 | Distribution of biomass of species differing in photosynthetic pathway along an altitudinal transect in southeastern wyoming grassland. *Oecologia*, **1980**, 45, 287-298 | 2.9 | 101 |

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| 2 | Carbon isotope ratios and crop analyses of Arphia (Orthoptera: Acrididae) species in southeastern Wyoming Grassland. *Oecologia*, **1980**, 45, 299-306 | 2.9 | 36 |
| 1 | Insect herbivory on C and C grasses. *Oecologia*, **1978**, 36, 21-32 | 2.9 | 58 |