

- Abramson, I., E. Thomas, et al. (2002). Benthic foraminifera in Long Island Sound as indicators of eutrophication. GSA Annual meeting, Denver, CO.
- Adler, D. S., G. Bar-Oz, et al. (2006). "Ahead of the Game: Middle and upper palaeolithic hunting behaviors in the southern Caucasus." Current Anthropology **47**(1): 89-118.
- Ahagon, N., K. i. Ohkushi, et al. (2003). "Mid-depth circulation in the northwest Pacific during the last deglaciation: Evidence from foraminiferal radiocarbon ages." Geophysical Research Letters **30**(21): 2-1 - 2-4.
- Alexander, C., B. Christensen, et al. (2005). Source, timing and depositional environments of Paleochannel incision and infill on the New Jersey Shelf. 2005 National GSA Meeting, Salt Lake City, UT.
- Alexander, C., C. Christensen, et al. (2004). Paleochannel incision and infill on the New Jersey shelf: timing, character and depositional environment. 2005 SE GSA Meeting, Biloxi, MS.
- Alexander, C., C. Sommerfield, et al. (2003). Sedimentology and age control of late Quaternary New Jersey shelf deposits. AGU Fall 2003 Meeting, San Francisco, CA.
- Alexander, C., J. P. Walsh, et al. (2006). Continental slope sediment delivery and storage on an active margin: the Waipaoa Margin example. 2006 AGU meeting, San Francisco, CA.
- Alexander, C. A., J. P. Walsh, et al. (2005). Preliminary research results indicate modern sedimentation on the continental slope seaward of the Waipaoa River, New Zealand. New Zealand Marine Science Society Annual Meeting, Wellington, NZ.
- Alexander, C. R. and J. A. Austin, Jr. (2003). "KN167-KN168A/B: AHC-800 coring on the New Jersey Shelf for ONR's Geoclutter Initiative, R/V KNORR." Cruise Report.
- Aller, R. C. and N. E. Blair (2004). "Early diagenetic remineralization of sedimentary organic C in the Gulf of Papua deltaic complex (Papua, New Guinea): net loss of terrestrial C and diagenetic fractionation of C isotopes." Geochim. Cosmochim. Acta **68**(8): 1815-1825.
- Aller, R. C. and N. E. Blair (2006). "Carbon remineralization in the Amazon-Guianas tropical mobile mudbelt: A sedimentary incinerator." Continental Shelf Research **26**: 2241-2259.
- Allison, M. A., S. R. Khan, et al. (2003). "Stratigraphic evolution of the late Holocene Ganges-Brahmaputra lower delta plain." Sedimentary Geology **155**: 317-342.
- Altabet, M. and J. C. Varekamp (2004). "Nitrogen isotopic ratio records the eutrophication history of Long Island sound, abstract." EOS Trans. AGU **85**(17).
- Altabet, M. A. and J. C. Varekamp (2007). The nitrogen isotope biogeochemistry of Long Island Sound; insights into mechanisms of 15N enrichment in eutrophication-impacted estuaries. ASLO Meeting, New Orleans, LA.
- Aluwihare, L. I., D. J. Repeta, et al. (2002). "Chemical composition and cycling of dissolved organic matter in the Mid-Atlantic Bight." Deep-Sea Research II **49**: 4421-4437.
- Anchukaitis, K. and S. P. Horn (2005). "A 2000-year reconstruction of forest disturbance from southern Pacific Costa Rica." Paleogeography, Paleoclimatology, Palaeoecology **221**: 35-54.
- Andersen, N. and J. C. Varekamp (2004). "Paleoproductivity indicators in Long Island Sound, abstract." EOS Trans. AGU **85**(17).
- Anderson, D. M., J. T. Overpeck, et al. (2002). "Increase in the Asian southwest monsoon during the past four centuries." Science **297**: 596-599.
- Anderson, J. B., S. S. Shipp, et al. (2002). "The Antarctic ice sheet during the last glacial maximum and its subsequent retreat

history: a review." Quaternary Science Reviews **21**: 49-70.

Andreev, A. A., P. E. Tarasov, et al. (2004). "Vegetation and climate changes around the Lama Lake, Taymyr Peninsula, Russia during the Late Pleistocene and Holocene." Quaternary International **122**: 69-84.

Antonioli, F., B. E., et al. (2004). "215-kyr sea-level oscillations from marine and continental layers in Argentarola cave speleothems (Italy)." Global and Planetary Changes **43**: 57-78.

Baker, P. A., S. C. Fritz, et al. (2005). "Holocene hydrologic variation at Lake Titicaca, Bolivia/Peru, and its relationship to North Atlantic climate variation." Journal of Quaternary Science **20**: 655-662.

Barbour-Wood, S. L., R. A. Krause, Jr., et al. (2004). Time averaging on a shallow subtropical shelf: the search for a taphonomic clock. Geological Society of America, Abstracts with Programs. Washington, DC, USA.

36(2):134

Barbour-Wood, S. L., R. A. Krause, Jr., et al. (2006). "Aspartic acid racemization dating of Holocene brachiopods and bivalves from the southern Brazilian shelf, South Atlantic." Quaternary Research **66**: 323-331.

Barbour-Wood, S. L., R. A. Krause, Jr., et al. (2003). A comparison of rates of time averaging between the bivalve *Macoma cleryana* and brachiopod *Bouchardia rosea* on a shallow subtropical shelf. Geological Society of America, Abstracts with Programs. Seattle, WA, USA.

35(6):273

Bard, E., G. Menot-Combes, et al. (2004). "Present status of radiocarbon calibration and comparison records based on polynesian corals and Iberian Margin sediments." Radiocarbon **46**: 1189-1203.

Bard, E., F. Rostek, et al. (2006). "Chronologie des variations climatiques rapides pendant la dernière période glaciaire." Comptes Rendus de l'Académie des Sciences **5**: 13-19.

Bard, E., F. Rostek, et al. (2004). "A better radiocarbon clock." Science **303**: 178-179.

Bard, E., F. Rostek, et al. (2004). "Radiocarbon calibration beyond 20,000 B.P. by means of planktonic foraminifera of the Iberian Margin." Quaternary Research **61**(2): 204-214.

Baroni, C. and B. L. Hall (2004). "A new relative sea-level curve for Terra Nova Bay, Antarctica." Quaternary Science **19**(4): 377-396.

Barros, A. P. and S. J. Gordon (2002).

Assessing the linkages among climate variability, land-use change, and the sedimentary regime of the Upper Chesapeake Bay. Coastal Environment 2002, WIT Press.

Barry, S. L., M. L. Filippi, et al. (2002). A 20,000-yr sedimentological record from Lake Malawi, East Africa: the Late-Pleistocene/Holocene transition in the southern tropics.

The East African Great Lakes: Limnology, Palaeoclimatology and Biodiversity. E. O. Odada and D. O. Olago. Dordrecht, Kluwer Academic Publishers.

Bauer, J. E. (2002). Carbon isotopic composition of DOM. Biogeochemistry of Marine Dissolved Organic Matter. D. A. Hansell and C. A. Carlson, Elsevier Science Publishers: 405-453.

Bauer, J. E. (2005). Assessing variability in the character and reactivity of DOM and POM delivered to the oceans by rivers and estuaries. Gordon Research Conference on Chemical Oceanography. Meredith, NH.

Bauer, J. E., J. J. Cole, et al. (2006). Variability in the character, age and reactivity of organic matter exported from rivers and estuaries to ocean margins. Ocean Sciences Meeting. Honolulu, HI.

Bauer, J. E., E. R. M. Druffel, et al. (2002). "Temporal and spatial variability in sources and cycling of DOC and POC in the northwest Atlantic continental margin." Deep-Sea Research II **49**: 4387-4419.

Bauer, J. E., P. A. Raymond, et al. (2007). Regional variability in the ages and reactivities of riverine dissolved and particulate organic matter exported to a temperate ocean margin. ASLO Aquatic Sciences Meeting. Santa Fe, NM.

- Beaufort, L., T. de Garidel-Thoron, et al. (2003). "Continental biomass burning and oceanic primary production estimates in the Sulu Sea record East Asian summer and winter monsoon dynamics for the last 380 kyr." Marine Geology: 53-65.
- Beck, N. and S. Hydrology (2002). Blackwood Creek Stream restoration project design draft report. U. S. F. S. L. T. B. M. Unit. South Lake, Tahoe, CA.
- Benner, R., B. Benitez-Nelson, et al. (2004). "Export of young terrigenous dissolved organic carbon from rivers to the Arctic Ocean." Geophysical Research Letters **31**.
- Benninger, L. K., I. B. Suayah, et al. (2004). "Manzala lagoon, Nile delta, Egypt: modern sediment accumulation based on radioactive tracers." Environmental Geology **34**(2-3): 183-193.
- Bertrand, S., K. A. Hughen, et al. (2006). Late Holocene climate variability of South America reconstructed by a multi-proxy analysis of Chilean fjord sediments. Abstracts, EGU General Assembly. Vienna, Austria.
- Best, M. M. R., K. Bibeau, et al. (2006). Shell fragmentation as an indicator of benthic conditions. GSA Annual Meeting, Philadelphia, PA.
- Beuning, K. R. M., K. R. Kelts, et al. (2002). "Oxygen isotope stratigraphy of sediment cellulose from two cores, Lake Victoria, East Africa." Geology **30**(6): 559-562.
- Beuning, K. R. M. and J. M. Russell (2004). "Vegetation and sedimentation in the Lake Edward basin, Uganda-Congo during the late Pleistocene and early Holocene." Journal of Paleolimnology **32**: 1-18.
- Biondi, F., S. D. J. Strachan, et al. (2007). "Radiocarbon analysis confirms the annual nature of sagebrush growth rings." Radiocarbon **49**(3).
- Blair, N., E. Leithold, et al. (2003). "The Persistence of Memory: The fate of ancient sedimentary organic carbon in a modern sedimentary system." Geochim. Cosmochim. Acta **67**(1): 63-73.
- Blair, N. E., E. L. Leithold, et al. (2004). "From bedrock to burial: the evolution of particulate organic carbon across coupled watershed-continental margin systems." Marine Chemistry **92**: 141-156.
- Bovy, K. M. (2007). "Global human impacts or climate change?: explaining the Sooty Shearwater decline at the Minard site, Washington State, USA." Journal of Archaeological Sciences **34**: 1087-1097.
- Braje, T. J., J. M. Erlandson, et al. (2004). "An 8700 year old shell midden from the south coast of San Miguel Island, California." Current Research in the Pleistocene **21**: 24-25.
- Braje, T. J., J. M. Erlandson, et al. (2005). "Reassessing human settlement on the south coast of San Miguel Island, California: The use of <sup>14</sup>C dating as a reconnaissance tool." Radiocarbon **47**: 11-19.
- Braje, T. J., D. J. Kennett, et al. (2007). "Trans-Holocene subsistence changes and human impacts on a marine ecosystem on Santa Rosa Island, California." American Antiquity **in-press**.
- Bratton, J. F. (2007). Holocene sedimentation in a kettle lagoon breached by rising sea level on Cape Cod. Northeast Section Meeting, Geological Society of America, Durham, NH.
- Bratton, J. F., S. M. Colman, et al. (2003). "Eutrophication and carbon sources in Chesapeake Bay over the last 2,700 years: Human impacts in context." Geochimica et Cosmochimica Acta **67**(18): 3385-3402.
- Bratton, J. F., S. M. Colman, et al. (2003). "Birth of the modern Chesapeake Bay estuary 7,400 to 8,200 years ago and implications for global sea-level rise." Geo-Marine Letters **22**: 188-197.
- Broecker, W., S. Barker, et al. (2006). "Anomalous radiocarbon ages for foraminifera shells." Paleoceanography **21**(2): 1-5.
- Broecker, W., E. Clark, et al. (2007). "Radiocarbon age of late glacial deep water from the equatorial Pacific." Paleoceanography **22**: 1-6.
- Broecker, W. S. and S. Barker (2007). "A 190% drop in atmosphere's Delta<sup>14</sup>C during the "Mystery Interval" (17.8 to 14.5 kyrs)." Earth & Planetary Science Letters **256**: 90-99.

- Broecker, W. S., S. Barker, et al. (2004). "Ventilation of Glacial Deep Pacific Ocean." Science **306**: 1169-1172.
- Bronsther, R., P. Welsh, et al. (2004). "Mercury in Connecticut and Long Island Sound: impact of historic hatting industries, abstract." EOS Trans. AGU **85**(17).
- Brooks, K., C. A. Scholz, et al. (2005). "Late-Quaternary lowstands of Lake Bosumtwi, Ghana: evidence from high-resolution seismic reflection and sediment-core data." Palaeogeography, Palaeoclimatology, Palaeoecology **216**: 235-249.
- Brown, E. T., R. Bendick, et al. (2002). "Slip rates of the Karakorum Fault, Ladakh, India, determined using cosmic ray exposure dating of debris flows and moraines." Geophysical Research.
- Bush, M. B. and P. E. DE Oliveira (2006). "The rise and fall of the refugial hypothesis." Biota Neotropica **6**(1): 17 p.
- Bush, M. B., B. C. S. Hansen, et al. (2005). "A 17,000 year history of Andean climatic and vegetation change from Laguna de Chochos, Peru." Journal of Quaternary Science **20**: 703-714.
- Bush, M. B., M. C. S. Listopad, et al. (2007). A regional study of Holocene climate change and human occupation in Peruvian Amazonia. Journal of Biogeography. **on-line article**.
- Bush, M. B., M. R. Silman, et al. (2007). Holocene fire and occupation in Amazonia: Records from two lake districts. Philosophical Transactions of the Royal Society of London. **Ser. B**.
- Bush, M. B., M. R. Silman, et al. (2004). "48,000 years of climate and forest change from a biodiversity hotspot." Science **303**: 827-829.
- Butman, D., P. A. Raymond, et al. (2007). "Desorption and remineralization potential of soil organic carbon in freshwater and marine systems." Organic Geochemistry **in press**.
- Buynevich, I. V. (2007). "Paleoenvironmental significance of the eastern mud snail, *Ilyanassa obsoleta* (Say, 1822), from a microtidal coastal sequence of southern New England." The Nautilus **121**: 37-39.
- Buynevich, I. V., A. Bitinas, et al. (2007). "Lithological anomalies in a relict coastal dune: Geophysical and paleoenvironmental markers." Geophysical Research Letters **34**: 1-5.
- Buynevich, I. V., D. M. FitzGerald, et al. (2007). "A 1,500-year record of North Atlantic storm activity based on optically dated relict beach scarps." Geology **35**: 543-546.
- Cagatay, M. N., N. Gorur, et al. (2003). "Sea-level changes and depositional environments in the Izmit Gulf, eastern Marmara Sea, during the late glacial-Holocene period." Marine Geology **202**: 159-173.
- Came, R. E., W. B. Curry, et al. (2007). "North Atlantic intermediate depth variability during the Younger Dryas: Evidence from benthic foraminiferal Mg/Ca and the GFDL R30 coupled climate model." AGU Monograph **in press**.
- Came, R. E., D. W. Oppo, et al. (2003). "Atlantic Ocean circulation during the Younger Dryas: insights from a new Cd/Ca record from the western subtropical South Atlantic." Paleoceanography **18**.
- Came, R. E., D. W. Oppo, et al. (2007). "Amplitude and timing of salinity and temperature variability in the high-latitude North Atlantic." Geology **35**(4): 315-318.
- Came, R. E., O. D. W., et al. (2007). "Amplitude and timing of temperature and salinity variability in the subpolar North Atlantic over the last 10,000 years." Geology **35**: 315-318.
- Campana, S. E. (2005). "Otolith science entering the 21st century." Marine Freshwater Res. **56**: 485-495.
- Campana, S. E., C. M. Jones, et al. (2006). "Bomb dating and age validation using the spines of spiny dogfish (*Squalus acanthias*)." Envir. Biol. Fish **77**: 327-336.
- Campana, S. E., L. J. Natanson, et al. (2002). "Bomb dating and age determination of large pelagic sharks." Can. J. Fish Aquat. Sci. **59**: 450-455.
- Campana, S. E., R. D. Stanley, et al. (2003). "Suitability of glycerin-preserved otoliths for age validation using bomb radiocarbon." J. Fish Biol. **63**: 848-854.

- Caraco, N. F., J. J. Cole, et al. (2005). Organic matter inputs and metabolism in a large river estuary (the Hudson): Insights from natural abundance isotopes and whole system metabolism. American Society of Limnology and Oceanography. Salt Lake City, UT.
- Carey, A. and C. B. Dowling (2004). "Alabama Gulf Coast groundwaters:  $4\text{He}$  and  $14\text{C}$  as groundwater-dating tools." Geological Society of America **32**(4): 289-292.
- Carey, D. A. and J. C. Varekamp (2004). Evidence of historical wet period deposits in central Long Island Sound: source and transport processes based on mercury profiles and sedimentology. 7th biennial Long Island Sound research conference, Program and abstracts.
- Casillas, E., G. H. Rau, et al. (2002). Linking vertical advection and diet to juvenile salmon condition and parasite load: A study using  $14\text{C}$ ,  $13\text{C}$ , and  $15\text{N}$ . Transactions, American Geophysical Union. O. S. M. Abstract.
- Chasar, L. (2002). Implications of environmental change for energy flow through natural systems: Freshwater wetlands and coastal zones, Florida State University.
- Chase, G. (2004). Late-glacial climate as inferred from chironomid assemblages in lake sediments from Aroostook County, northeastern Maine. Orono, Maine, University of Maine.
- Chase, Z., R. F. Anderson, et al. (2003). "Accumulation of biogenic and lithogenic material in the Pacific sector of the Southern Ocean during the past 40,000 years." Deep-Sea Res. II **50**: 799-832.
- Chung, S.-N., K. Lee, et al. (2003). "Calcium carbonate budget in the Atlantic Ocean based on water-column inorganic carbon chemistry." Global Biogeochemical Cycles **17**(4).
- Clotts, R. A., C. E. McCambridge, et al. (2005). "Mid-Holocene hydrologic change and hypolimnion formation in Lake Erie." Journal of Great Lakes Research **31**: 296-308.
- Cohen, A. L. and S. R. Hart (2004). "Deglacial sea surface temperatures of the western tropical Pacific: A new look at old coral." Paleoceanography **19**.
- Cole, J. J. (2006). Do inland waters matter in the regional or global C balance: A review and tutorial. American Society of Limnology and Oceanography Summer Meeting. Victoria, Canada.
- Cole, J. J. (2007). Terrestrial subsidies of aquatic metabolism and food webs: A tutorial and review. American Society of Limnology and Oceanography; Aquatic Science meeting. Santa Fe, NM.
- 69
- Cole, K. L. and S. T. Arundel (2005). "Carbon isotopes from fossil packrat pellets and elevational movements of Utah agave plants reveal the Younger Dryas cold period in Grand Canyon, Arizona." Geology **33**(9): 713-716.
- Cole, K. L., J. Fisher, et al. (2007). "Geographic and climatic limits of needle types of *Pinus edulis* and *P. monophylla*." Journal of Biogeography **in press**.
- Coleman, D. F. and R. D. Ballard (2005). Submerged paleoshorelines in the southern and western Black Sea - implications for inundated prehistoric archaeological sites. The Black Sea Flood Questions: Changes in Coastline, Climate, and Human Settlement. V. Yanko-Hombach, A. S. Gilbert, N. Panin and P. M. Dolukhanov. The Netherlands, Springer, Dordrecht.
- Colman, S. M., P. C. Baucom, et al. (2002). "Radiocarbon dating, chronologic framework, and changes in accumulation rates of Holocene estuarine sediments from Chesapeake Bay." Quaternary Research **57**: 58-70.
- Colman, S. M. and J. F. Bratton (2003). "Anthropogenically induced changes in sediment and biogenic silica fluxes in Chesapeake Bay." Geology **31**(1): 71-74.
- Connelly, J. P. (2006). "A revised late Holocene sea-level record for northern Massachusetts, USA." Journal of Coastal Research **22**: 1051-1061.
- Connelly, J. P., P. Cleary, et al. (2004). "Coupling instrumental and geological records of sea-level change: Evidence from

- southern New England of an increase in the rate of sea-level rise in the late 19th century." Geophysical Research Letters **31**.
- Cook, M. (2007). Population dynamics, structure and per-recruit analysis of yellowedge grouper, *Epinephelus flavolimbatus*, from the northern Gulf of Mexico. Hattiesburg, MS, University of Southern Mississippi: 172.
- Cook, M. S., L. D. Keigwin, et al. (2005). "The deglacial history of surface and intermediate water of the Bering Sea." Topical Studies in Oceanography **52**: 2163-2173.
- Cooper, S. R., E. Thomas, et al. (2004).  
Long Island Sound: diatoms from sediment cores as part of environmental and ecological change studies, abstracts.  
Mid-Atlantic ecology conference: sustainable landscapes, Franklin & Marshall College, Lancaster, PA.
- Cooper, S. R., E. Thomas, et al. (2004).  
Anthropogenic eutrophication of Long Island Sound: effects on diatom communities through time. 7th Biennial Long Island Sound reserach conference proceedings.
- Cooper, S. R., E. Thomas, et al. (2004).  
Western Long Island Sound: evidence from diatom studies of eutrophication and environmental change in the 19th centure.  
AERS fall meeting, New Jersey Meadowland Commission, Lyndhurst, NJ.
- Coppola, L., O. Gustafsson, et al. (2007). "The importance of ultrafine particles as a control on the distribution and burial of organic carbon in Washington Margin and Cascadia Basin Sediments." Chemical Geology in press.
- Cormier, M. H., L. Seeber, et al. (2006). "The North Anatolian fault in the Gulf of Izmit (Turkey): Rapid vertical motion in response to minor bends of a non-vertical continental transform." Journal of Geophysical Research **111**.
- Cornelissen, G., Z. Kukulka, et al. (2004). "Relations between environmental black carbon sorption and geochemical sorbent characteristics." Environmental Science and Technology **38**(13): 3632-3640.
- Covelli, S., G. Fontolan, et al. (2006). "Anthropogenic markers in the Holocene stratigraphic sequence of the Gulf of Trieste (northern Adriatic Sea)." Marine Geology **230**: 29-51.
- Cronin, T., N. T. Edgar, et al. (2007). "Sea level rise in Tampa Bay." Eos **88**(10): 117-118.
- Culleton, B. J., D. J. Kennett, et al. (2006). "Intra-shell radiocarbon variability in marine mollusks." Radiocarbon **48**(3): 387-400.
- Culver, S. J., D. V. Ames, et al. (2006). "Foraminiferal and sedimentary record of late Holocene barrier island evolution, Pea Island, North Carolina: the role of storm overwash, inlet processes and anthropogenic modification." Journal of Coastal Research **22**: 836-846.
- Currie, L. A. (2004). "The remarkable metrological history of radiocarbon dating." Journal of Research of the National Institute of Standards and Technology **109**: 185-217.
- Currie, L. A., B. A. J. Benner, et al. (2002). "A critical evaluation of interlaboratory data on total, elemental, and isotopic carbon in the carbonaceous particle reference material." Journal of Research of the National Institute of Standards and Technology **107**: 279-298.
- Currie, L. A. and J. D. Kessler (2005). "On the isolation of elemental carbon (EC) for micro-molar <sup>14</sup>C accelerator mass spectrometry: development of a hybrid reference material for <sup>14</sup>C-EC accuracy assurance, and a critical evaluation of the thermal optical kinetic (TOK EC isolation procedure." Atmospheric Chemistry and Physics **5**: 2833-2845.
- Currie, L. A., J. D. Kessler, et al. (2005). "Long range transport of biomass aerosol to Greenland: multi-spectroscopic investigation of particles deposited in the snow." J. Radioanalytical and Nuclear Chemistry **263**: 399-411.
- Curry, W. B. and D. W. Oppo (2005). "Glacial water mass geometry and the distribution of  $\delta^{13}\text{C}$  of SCO 2 in the western Atlantic Ocean." Paleoceanography **20**.
- Dannenmann, S., B. K. Linsley, et al. (2003). "East Asian Monsoon Forcing suborbital variability in the Sulu Sea during Marine Isotope Stage 3: link to Northern Hemisphere climate." Geochemistry, Geophysics, Geosystems **G3** **4**.

- De Alteris, J., J. E. Bauer, et al. (2006). Elemental and isotopic characterization of organic matter and carbon in the South Atlantic bight, a net heterotrophic ocean margin. Ocean Sciences Meeting. Honolulu, HI.
- De Alteris, J. A., J. E. Bauer, et al. (2007).  $^{14}\text{C}$  and  $^{13}\text{C}$  isotopic characterization of organic carbon in surface waters of the South Atlantic Bight. ASLO Aquatic Sciences Meeting. Santa Fe, NM.
- de Toledo, M. B. and M. B. Bush (2007). A Mid-Holocene environmental change in Amazonian savannas. Journal of Biogeography. **on-line**.
- Dean, W. E., Y. Zheng, et al. (2006). "Sediment Cd and Mo accumulation in the oxygen-minimum zone off western Baja California linked to global climate over the past 52 kyr." Paleoceanography **21**.
- DeMaster, D. J., J. Thomas, et al. (2002). Radiochemical measurements from FOODBANCS: Examining carbon cycling and benthic-pelagic coupling on the Antarctic continental shelf. AGU/ASLO Ocean Sciences Meeting, Honolulu, HI.
- Denton, G. H., W. S. Broecker, et al. (2006). "The mystery interval 1.5 to 14.5 kyrs ago." Pages News **14**: 14-16.
- Dickens, A. F., J. A. Baldock, et al. (2006). "Solid-state  $^{13}\text{C}$  NMR analysis of size and density fractions of marine sediments: Insight into organic carbon sources and preservation mechanisms." Geochim. Cosmochim. Acta **70**: 666-686.
- Dickens, A. F., J. A. Gudeman, et al. (2007). "Sources and distribution of CuO-derived benzenecarboxylic acids in soils and sediments." Organic Geochemistry **in press**.
- Dieffenbacher-Krall, A. C. and A. M. Nurse (2005). "Late-glacial and Holocene record of lake levels of Mathews Pond and Whitehead Lake, Northern Maine, USA." Journal of Paleolimnology **34**: 283-310.
- Donnelly, J. P. (2005). "Evidence of past intense tropical cyclones from backbarrier salt pond sediments: A case study from Isla de Culebrita, Puerto Rico, USA." Journal of Coastal Research **SI42**: 201-210.
- Donnelly, J. P., J. Butler, et al. (2004). "A backbarrier overwash record of intense storms from Brigantine, New Jersey." Marine Geology **210**: 107-121.
- Donnelly, J. P., P. Cleary, et al. (2004). "Coupling instrumental and geological records of sea-level change: Evidence from southern New England of an increase in the rate of sea-level rise in the late 19th century." Geophysical Research Letters **31**.
- Donnelly, J. P., N. Driscoll, et al. (2005). "Catastrophic meltwater discharge down the Hudson River Valley: A potential trigger for the Intra-Allerod cold period." Geology **33**: 89-92.
- Donnelly, J. P. and T. Webb, III (2004). Backbarrier sedimentary records of intense hurricane landfalls in the northeastern United States. Hurricanes and Typhoons: Past, Present, and Potential. R. Murnane and K. Liu. New York, NY, Columbia Press: 58-96.
- Donnelly, J. P. and J. D. Woodruff (2007). "Intense hurricane activity over the past 5,000 years controlled by El Niño and the West African monsoon." Nature **447**: 465-468.
- Drenzek, N., K. Hughe, et al. (2006). Western Atlantic intertropical convergence zone variability over the last full glacial cycle, Abstract. Eos Trans. AGU 87, Fall Meeting Suppl. San Francisco, CA.
- Drenzek, N., P. Poussart, et al. (2006). Investigating the temporal relationship between the synthesis and sediment incorporation of vascular plant biomarkers using molecular level  $^{14}\text{C}$  analysis. EOS Abstracts, 2006 AGU Ocean Sciences Meeting. Honolulu, HI.
- Drenzek, N. J., T. I. Eglinton, et al. (2002). "Stable chlorine and carbon isotopic compositions of selected semi-volatile organochlorine compounds." Organic Geochemistry **33**: 437-444.
- Drenzek, N. J., D. B. Montlucon, et al. (2007). "Constraints on the origin of sedimentary organic carbon in the Beaufort Sea from coupled molecular  $^{13}\text{C}$  and  $^{14}\text{C}$  measurements." Marine Chemistry **103**: 146-162.
- Druffel, E. R. M., J. E. Bauer, et al. (2005). "Input of particulate organic and dissolved inorganic carbon from the Amazon to the Atlantic Ocean." Geochemistry, Geophysics, Geosystems **6**.

- Druffel, E. R. M., J. E. Bauer, et al. (2003). "Penetration of anthropogenic carbon into organic particles of the deep ocean." Geophysical Research Letters **30**: 1744.
- Dwyer, K. S., S. J. Walsh, et al. (2003). "Age determination, validation and growth of Grand Bank yellowtail flounder (*Limanda ferruginea*)." ICES J. Marine Science **60**: 1123-1138.
- Edwards, A. L., R. Lockwood, et al. (2005). "Holocene molluscan aminostratigraphy of Chesapeake Bay sediments." Geological Society of America Abstracts with Programs **37**: 8.
- Edwards, A. L., J. R. Wehmiller, et al. (2005). "Holocene aminochronology and time-averaging from Chesapeake Bay muds." Geological Society of America Abstracts with Programs **37**: 15.
- Eglinton, T. I., G. Eglinton, et al. (2002). "Composition, age, provenance of organic matter in N. W. African dust over the Atlantic Ocean." Geochemistry, Geophysics, Geosystems **3**(8).
- Eris, K. K., W. B. F. Ryan, et al. (2007). "The timing and evolution of the post-glacial transgression across the Sea of Marmara shelf south of Istanbul." Marine Geology **in press**.
- Erlandson, J. M., T. J. Braje, et al. (2005). "Beads, bifaces, and boats: an early maritime adaptation on the south coast of San Miguel Island, California." American Anthropologist **107**(4): 677-683.
- Erlandson, J. M., T. C. Rick, et al. (2004). "Busted balls shell midden (CA-SMI-606): an early coastal site on San Miguel Island, California." North American Archaeologist **25**: 251-272.
- Erlandson, J. M., T. C. Rick, et al. (2003). "Dates, demography, and disease: Cultural contacts and possible evidence for old world epidemics among the island Chumash." Pacific Coast Archaeological Society Quarterly **37**(3): 1-16.
- Erlandson, J. M., T. C. Rick, et al. (2005). "A geoarchaeological chronology of Holocene dune building on San Miguel Island, California." The Holocene **15**(8): 1227-1235.
- Erlandson, J. M., T. C. Rick, et al. (2004). CA-SMI-548: A 9500 year old shell midden at Running Springs, San Miguel Island, California. Emerging from the Ice Age: Early Holocene Occupations on the Central California Coast. E. Bertrando and V. Levulett, San Luis Obispo County Archaeological Society Occasional Paper. **17**: 81-92.
- Erlandson, J. M., R. L. Vellanoweth, et al. (2005). "Coastal foraging at Otter Cave: a 6600 year old shell midden on San Miguel Island, California." Journal of California and Great Basin Anthropology **25**: 69-86.
- Faison, E. K., D. R. Foster, et al. (2006). "Early Holocene openlands in southern New England." Ecology **87**(10): 2537-2547.
- Feely, R. A., C. L. Sabine, et al. (2002). "*In-situ* calcium carbonate dissolution in the Pacific Ocean." Global Biogeochemical Cycles **16**(4).
- Felton, A., J. M. Russell, et al. (2007). "Geochemical and sedimentological records of late Quaternary climate change, Lake Tanganyika, tropical East Africa." Palaeogeography, Palaeoclimatology, Palaeoecology **in press**.
- Ferronskii, V. I., V. A. Polyakov, et al. (2003). "Variations in the hydrological regime of Kara-Bogaz-Gol Gulf Lake Issyk-Kul, and the Aral Sea assessed based on data of bottom sediment studies." Water Resources **30**: 252-259.
- Fisher, J. (2005). Using packrat middens to assess how grazing influences vegetation change in Glen Canyon National Recreation Area, Utah, Master thesis, Northern Arizona University: 185.
- Fisher, J., K. L. Cole, et al. (2006). Using packrat middens to assess how grazing influences vegetation change in Glen Canyon National Recreation Area, Utah. USGS open-file report 2006-1183.
- FitzGerald, D. M., W. J. Cleary, et al. (2007). "Strandplain evolution along the southern coast of Santa Caterina, Brazil." Journal of Coastal Research **Special Issue 50**.
- Foster, D. R., S. Clayden, et al. (2002). "Oak, chestnut and fire: climatic and cultural controls of long-term forest dynamics in New England, USA." Journal of Biogeography **29**: 1359-1379.
- Foster, D. R., W. W. Oswald, et al. (2006). "A climatic driver for abrupt mid-Holocene vegetation dynamics and the hemlock

decline in New England." Ecology **87**(12): 2959-2966.

Francis, M. P., S. E. Campana, et al. (2007). "Age under-estimation in New Zealand porbeagle sharks (*Lamna nasus*): is there an upper limit to ages that can be determined from shark vertebrae?" Marine Freshwater Res. **58**: 10-23.

Franzese, A. M., S. R. Hemming, et al. (2006). "Reduced agulhas leakage at the LGM inferred from an integrated provenance and flux study." Earth & Planetary Science Letters **250**: 72-88.

Frignani, M., F. Giglio, et al. (2003). "Sediment characteristics at selected sites of the Ross Sea continental shelf: does the sedimentary record reflect water column fluxes?" Antarctic Science **15**(1): 133-139.

Fritz, S. C., P. A. Baker, et al. (2004). "Hydrologic variation during the last 170,000 years in the southern hemisphere tropics of South America." Quaternary Research **61**: 95-104.

Fritz, S. C., P. A. Baker, et al. (2006). "Spatial and temporal variation in cores from Lake Titicaca, Bolivia/Peru during the last 13,000 yrs." Quaternary International **158**: 23-29.

Gaines, S. (2004). Shoreline Changes on the Elizabeth Islands over the Past 5000 Years. Cuttyhunk, MA, Cuttyhunk Historical Society.

Gherardi, J.-M., L. Labeyrie, et al. (2005). "Evidence from the Northeastern Atlantic basin for variability in the rate of the meridional overturning circulation through the last deglaciation." Earth and Planetary Science Letters **240**: 710-723.

Giosan, L., J. P. Donnelly, et al. (2006). "Young Danube delta documents stable Black Sea level since the middle Holocene: morphodynamic, paleogeographic, and archaeological implications." Geology **34**: 757-760.

Giosan, L., E. Vespremeanu, et al. (2005). "Morphodynamics and evolution of Danube delta." Journal of Sedimentary Research **SP 83**: 391-410.

Gnanadesikan, A., J. P. Dunne, et al. (2004). "Oceanic ventilation and biogeochemical cycling: Understanding physical mechanisms that produce realistic distributions of tracers and productivity." Global Biogeochemical Cycles **18**.

Goff, J., J. J. Austin, et al. (2005). "Recent and modern marine erosion on the New Jersey Outer shelf." Marine Geology **216**: 275-296.

Goldoff, B., J. C. Varekamp, et al. (2006).

Mercury contamination in Connecticut and Long Island Sound from historic hat-making sources. GSA Annual Meeting, Philadelphia, PA.

Goni, M. A., M. B. Yunker, et al. (2005). "The supply and preservation of ancient and modern components of organic carbon on the Canadian Beaufort Shelf of the Arctic Ocean." Marine Chemistry **93**: 53-73.

Graham, N. E., M. K. Hughes, et al. (2007). "Tropical Pacific-mid-latitude teleconnections in medieval times." Climate Change **10.1007**.

Gramling, C. (2003). A radiocarbon method and multi-tracer approach to quantifying groundwater discharge to coastal waters. Geology & Geophysics. Cambridge, MA/Woods Hole, MA, MIT/WHOI.

Gramling, C. M., D. C. McCorkle, et al. (2003). "A carbon isotope method to quantify groundwater discharge at the land-sea interface." Limnology and Oceanography **48**(3): 957-970.

Gregory, S. T., D. Shea, et al. (2005). "Impact of vegetation on sedimentary organic matter composition and polycyclic aromatic hydrocarbon attenuation." Environmental Science and Technology **39**(14): 5285-5292.

Grigg, R. W. (2006). "Depth limit for reef building corals in the Au'au Channel, S. E. Hawaii." Coral Reefs **25**: 77-84.

Grigg, R. W., E. E. Grossman, et al. (2002). "Drowned reefs and antecedent karst topography, Au'au Channel, S. E. Hawaiian Island." EOS **83**(4): 82.

Groner, M., E. Thomas, et al. (2004). "Radiocarbon studies of Long Island Sound sediments." EOS Trans. AGU **85**(17).

Grotoli, A. G. (2002). Stable carbon isotope record in a Palau Sclerosponge. Fall AGU, San Francisco, CA.

- Grottooli, A. G. (2006). Calibration and natural variability of skeletal stable carbon isotopes in the Pacific sclerosponge *acanthocheatetes wellsi*: implications for reconstructing CO<sub>2</sub> uptake in coastal tropical environments. Ocean Sciences Meeting, Honolulu.
- Grottooli, A. G. (2006). Corals and sclerosponges as geochemical recorders of past climate change. AAPG/SEMP Course 19. Houston, TX.
- Grottooli, A. G. (2006). Monthly resolved stable oxygen isotope record in a Palauan sclerosponge *Acanthocheatetes wellsi* for the period of 1977-2001. 10th International Coral Reef Symposium.
- Grottooli, A. G. (2007). Calcification in sclerosponges: implications for reconstructing CO<sub>2</sub> fluxes in the tropics. ASLO. Santa Fe, NM: 68.
- Grottooli, A. G., J. F. Adkins, et al. (2005). Natural variability in skeletal growth rate, stable isotopes, and Sr/Ca composition in two species of Pacific sclerosponges (*Acnathocheatetes wellsi* and *Astroclera welleyana*). Benthic Ecology Meetings. Williamsburg, VA.
- Grottooli, A. G. and C. M. Eakin (2007). "A review of modern coral delta18O and Delta14C proxy records." Earth-Science Reviews **81**: 67-91.
- Grottooli, A. G. and O. Gibb (2004). "Stable carbon and oxygen isotope records in a Palau sclerosponge." Geochimica et Cosmochimica Acta **68**(11): A474 supp.
- Grottooli, A. G., S. T. Gille, et al. (2002). Radiocarbon in a Fanning Island coral: Inter-decadal variability in waters upwelling in the central equatorial Pacific from 1922-1955. ALSO/AGU Ocean Sciences Meeting, Honolulu, HI.
- Grottooli, A. G., S. T. Gille, et al. (2003). "Decadal timescale shift in the 14C record of a central equatorial Pacific coral." Radiocarbon **45**(1): 91-99.
- Gulick, S., J. Goff, et al. (2005). "Basal inflection-controlled shelf-edge wedges off New Jersey track sea-level fall." Geology **33**: 429-432.
- Guo, L. and R. W. Macdonald (2006). "Source and transport of terrigenous organic matter of the upper Yukon River: evidence from isotope (13C, 14C and 15N) composition of dissolved, colloidal and particulate phases." Global Biogeochemical Cycles **20**.
- Guo, L., I. Semiletov, et al. (2004). "Characterization of Siberian Arctic coastal sediments: Implications for terrestrial organic carbon export." Global Biogeochemical Cycles **18**(1).
- Guo, L. D., C. L. Pind, et al. (2007). "Mobilization pathways of permafrost-derived organic carbon in a changing climate." Geophysical Research Letters **in press**.
- Gupta, A. K., D. M. Anderson, et al. (2003). "Abrupt changes in the Asian southwest monsoon during the Holocene and their links to the North Atlantic Ocean." Nature **421**: 354-357.
- Gupta, A. K., M. Das, et al. (2005). "Solar influence on the Indian summer monsoon during the Holocene." Geophysical Research Letters **32**: 1-4.
- Gurwick, N. P. (2007). Carbon in riparian subsurface ecosystems: Sources, lability, and spatial patterns. Ithaca, NY, Cornell University.
- Haerstroh, P. R., J. A. Brandes, et al. (2006). "Chemical composition of the graphitic black carbon fraction in riverine and marine sediments at sub-micron scales using carbon x-ray specromicroscopy." Geochim. Cosmochim. Acta **70**: 1483-1494.
- Hall, B. L., C. Baroni, et al. (2004). "Holocene relative sea-level history of the southern Victoria land coast, Antarctica." Global and Planetary Change **42**: 241-263.
- Hall, B. L., G. M. Henderson, et al. (2005). The Holocene radiocarbon reservoir effect in the western Ross Sea. Annual West Antarctic Ice Sheet Meeting. Sterling, VA.

- Hall, C. M., M. C. Castro, et al. (2005). "Long term calibration of the Noble gas temperature system in a shallow unconfined Pleistocene aquifer." Eos Trans. AGU Fall Meeting Supplement **86**(52).
- Hall, C. M., M. C. Castro, et al. (2005). "Noble gases and stable isotopes in a shallow aquifer in southern Michigan: Implications for noble gas paleotemperature reconstructions for cool climates." Geophysical Research Letters **32**: 1-4.
- Hall, M., V. R. Rinterknecht, et al. (2004). "Deglacial history of the Ecuadorian Andes and implication for climate variations: Preliminary results." Eos Trans. AGU Fall Meeting Supplement **85**(47).
- Han, B., J. Southon, et al. (2007). "Computer simulations of MC-SNICS for performance improvement." Nucl. Inst. & Meth. in Physics Research B. **in press**.
- Han, B., K. von Reden, et al. (2007). "Electromagnet field modeling and ion optics calculations for a coneinuous-flow AMS system." Nucl. Inst. & Meth. in Physics Research B. **in press**.
- Haug, G. H., D. Gunther, et al. (2002). A marine record of Holocene climate events in tropical South America, abstract. Eos Trans. AGU 83, Fall Meeting Suppl. San Francisco, CA.
- Haug, G. H., D. Gunther, et al. (2003). "Climate and the collapse of Mayan civilization." Science **299**: 1731-1735.
- Hoffman, C. W., K. M. Farrell, et al. (2006). "Rotasonic vibracores from northeastern North Carolina, cores OBX-10 through OBX-18." NCGS Open-file Report II(2006-04): 1 CD ROM.
- Hoffman, C. W., K. M. Farrell, et al. (2006). "Rotasonic vibracores from northeastern North Carolina: cores OBX-01 through OBX-09." NCGS Open file Report I(2005-04): 1 CD ROM.
- Hoffmann, S. S. and J. F. McManus (2007). "Is there a thorium-230 deficit in Arctic sediments?" Earth and Planetary Science Letters **258**(3-4): 516-527.
- Holmstrand, H. D., D. Gadoski, et al. (2006). "Origin of PCDD in ball clay assessed with compound-specific chlorine isotope analysis and radiocarbon dating." Environmental Science and Technology **40**: 3730-3755.
- Horn, S. P. (2006). Pre-Columbian maize agriculture in Costa Rica: Pollen and other evidence from lake and swamp sediments. Histories of Maize: Multidisciplinary Approaches to the Prehistory, Biogeography, Domestication, and Evolution of Maize. J. Staller, R. Tykot and B. Benz. San Diego, CA, Elsevier Press: 367-380.
- Horn, S. P. (2007). Late quaternary lake and swamp sediments: records of climate and environment. Central America: Geology, Resources, Hazards. J. Bundschuh and I. Alvarado. Leiden, The Netherlands, Taylor & Francis/Balkema. **1**: 423-441.
- Horton, B. P., R. Corbett, et al. (2006). "Modern saltmarsh diatom distributions of the Outer Banks, North Carolina, and the development of a transfer function for high resolution reconstructions of sea level." Estuarine, Coastal and Shelf Science **69**: 381-394.
- Hotchkiss, S., R. Calcote, et al. (2007). "Response of vegetation and fire to Little Ice Age climate change: regional continuity and landscape heterogeneity." Landscape Ecology **in press**.
- Hou, J., Y. Huang, et al. (2006). "Postglacial climate reconstruction based on compound-specific D/H ratios of fatty acids from Blood Pond, New England." Geochemistry, Geophysics, Geosystems **G3** **7**(3).
- Hsieh, Y. P. (2004). Dynamics of tidal salt barren formation and the record of present-day sea level change. The Ecogeomorphology of Tidal Marshes, American Geophysical Union. S. Fagherazzi, M. Marani and L. Blum: 231-245.
- Hughen, K. A. (2006). "Cosmogenic isotope  $^{14}\text{C}$ : production and carbon cycle." PAGES Newsletter **14**: 6-7.
- Hughen, K. A. (2006). Marine  $^{14}\text{C}$  data sets: contributions to calibration and Earth Systems research, Abstract. 19th International Radiocarbon Conference. Oxford, UK.
- Hughen, K. A. (2007). Radiocarbon dating of deep-sea sediments. Paleoceanography of the Late Cenozoic. C. Hillaire-Marcel and A. de Vernal, Elsevier. **1: Methods**.

- Hughen, K. A., N. Drenzek, et al. (2005). Millennial scale variability in tropical South American vegetation during the last glaciatiion. Eos Trans. AGU, 86(52), Fall Meeting Suppl. San Francisco, CA.
- Hughen, K. A., N. Drenzek, et al. (2006). Abrupt vegetation changes in tropical South America over the last 120,000 years. EOS Abstracts, 2006 Ocean Sciences Meeting. Honolulu, HI.
- Hughen, K. A., S. J. Lehman, et al. (2003). 14C activity and global carbon cycle changes over the past 50,000 years. Abstracts, 18th International Radiocarbon Conf. Wellington, NZ.
- Hughen, K. A., S. J. Lehman, et al. (2004). "14C activity and global carbon cycle changes over the past 50,000 years." Science **303**: 202-207.
- Hughen, K. A., J. Southon, et al. (2006). Marine 14C calibration and activity record for the past 50,000 years from the Cariaco Basin, Abstract. Eos Trans AGU 87, Fall Meeting Supple. San Francisco, CA.
- Hughen, K. A., J. A. Southon, et al. (2006). "Marine-derived 14C calibration and activity record for the past 50,000 years updated from the Cariaco Basin." Quaternary Science Reviews **25**: 3216-3227.
- Hughen, K. A., J. A. Southon, et al. (2006). An updated 14C calibration and activity record for the past 50,000 years from marine Cariaco Basin, Abstract. 19th International Radiocarbon Conference. Oxford, UK.
- Hwang, J. and E. R. M. Druffel (2003). "Lipid-Like material as the source of the uncharacterized organic carbon in the ocean?" Science **299**: 881-884.
- Hwang, J. and E. R. M. Druffel (2005). "Blank correction for Delta 14C measurements in organic compound classes of oceanic particulate matter." Radiocarbon **47**(1): 75-87.
- Hwang, J., E. R. M. Druffel, et al. (2006). "Incorporation of aged dissolved organic carbon (DOC) onto oceanic particulate organic carbon (POC): an experimental approach using carbon isotopes." Marine Chemistry **98**: 315-322.
- Hwang, J., E. R. M. Druffel, et al. (2004). "Temporal variability of Delta 14C, delta13C, and C/N in sinking particulate organic matter at a deep time series station in the northeast Pacific Ocean." Global Biogeochemical Cycles **18**: 1-9.
- Ingalls, A. E., R. A. Anderson, et al. (2004). "Radiocarbon dating of diatom-bound organic compounds." Marine Chemistry **92**: 91-105.
- Ingalls, A. E. and A. Pearson (2005). "Ten years of compound-specific radiocarbon analysis." Oceanography **18**: 18-31.
- Ingalls, A. E., S. R. Shah, et al. (2006). "Quantifying archaeal community autotrophy in the mesopelagic ocean using natural radiocarbon." Proc. Natl. Acad. Sci. USA **103**: 6442-6447.
- Irion, G., M. B. Bush, et al. (2006). "A multiproxy palaeoecological record of Holocene lake sediments from the Rio Tapajos, eastern Amazonia." Paleogeography, Paleoclimatology, Palaeoecology **240**: 523-535.
- Ironside, K. (2007). Climate change impact research in U.S. national parks, NAU Environmental Sciences Program, 5/7.
- Ivanova, E. V., I. O. Murdmaa, et al. (2007). "Holocene sea-level oscillations and environmental changes on the Eastern Black Sea shelf." Paleogeography, Paleoclimatology, Palaeoecology **246**: 228-259.
- Jackson, K. L., F. Amelung, et al. (2006). Tsunami sediments in coastal lagoons, Sri Lanka: implications for paleotsunamis. Houston, TX, American Association of Petroleum Geologists Abstracts with Programs: Annual Meeting.
- Jackson, K. L., E. C. Rankey, et al. (2006). Paleotsunami deposits in coastal lagoons, Sri Lanka: Are tsunamis always sedimentologically important events?, EOS Trans. AGU Fall Meeting Suppl. Abstracts.
- Jackson, K. L., E. C. Rankey, et al. (2007). Are tsunamis always sedimentologically important events? A case study of sedimentological and geochemical analyses of coastal lagoons, Sri Lanka. Long Beach, CA, American Association of Petroleum Geologists Abstracts with Programs: Annual Meeting.
- Jahren, A. H., K. Kelm, et al. (2006). "Carbon stable isotope composition of DNA isolated from an incipient paleosol." Geology **34**(5): 381-384.

- Johnson, S. Y., A. R. Nelson, et al. (2004). "Evidence for late Holocene earthquakes on the Utsalady Point fault, northern Puget Lowland, Washington." Bulletin of Seismological Society of America **94**: 229-2316.
- Johnson, S. Y., A. R. Nelson, et al. (2003). Maps and data from a trench investigation of the Utsalady Point fault, Whidbey Island, Washington. U. S. Geological Survey Miscellaneous Field Studies. **Map MF-2420**.
- Johnson, W. C., K. L. Willey, et al. (2007). "Carbon isotope variation in modern soils of the tallgrass prairie: Analogues for the interpretation of isotopic records derived from paleosols." Quaternary International **162**: 3-20.
- Johnson, W. C., K. L. Willey, et al. (2007). "Stratigraphy and environmental reconstruction at the middle Wisconsinan Gilman Canyon formation type locality, Buzzard's Roost, southwestern Nebraska, USA." Quaternary Research **67**: 474-486.
- Jones, T. L., W. R. Hildebrandt, et al. (2004). "Prehistoric marine mammal overkill in the northeastern Pacific: A review of new evidence." Journal of California and Great Basin Anthropology **24**: 69-80.
- Kay, R. M., A. Kozyr, et al. (2004). "A global ocean carbon climatology: Results from global data analysis project (GLODAP)." Global Biogeochemical Cycles **18**.
- Keigwin, L., J. P. Donnelly, et al. (2006). "Rapid sea-level rise and Holocene climate in the Chukchi Sea." geology **34**: 861-864.
- Keigwin, L. D. (2002). "Late Pleistocene-Holocene paleoceanography and ventilation of the Gulf of California." Journal of Oceanography **58**: 421-432.
- Keigwin, L. D. (2004). "Radiocarbon and stable isotope constraints on last glacial maximum and Younger Dryas ventilation in the western North Atlantic." Paleoceanography **19**.
- Keigwin, L. D. and E. A. Boyle (2007). "Did North Atlantic overturning halt 17,000 years ago?" Paleoceanography in press.
- Keigwin, L. D., J. P. Donnelly, et al. (2006). "Flooding of Bering Strait and Holocene climate in the Chukchi Sea." Geology **34**: 861-864.
- Keigwin, L. D., J. P. Sachs, et al. (2003). "A 1600-year history of the Labrador current off Nova Scotia." Climate Dynamics **21**(1): 53-62.
- Keigwin, L. D., J. P. Sachs, et al. (2005). "The 8200 year B. P. event in the slop water system, western subpolar North Atlantic." Paleoceanography **20**.
- Keigwin, L. D. and M. A. Schlegel (2002). "Ocean ventilation and sedimentation since the glacial maximum at 3 km at the western North Atlantic." Geochemistry, Geophysics, Geosystems **3**(6).
- Keller, K., R. D. Slater, et al. (2002). "Decadal scale trends in North Pacific nutrient and oxygen concentrations: Biological or physical explanation." Deep-Sea Res. II **49**(1-3): 345-362.
- Kelley, A. R. (2006). Archaeological geology of the central Penobscot River Valley, Maine, USA. 2006 Philadelphia Annual Meeting. Philadelphia, PA.
- Kelley, A. R., J. T. Kelly, et al. (2005). "Geologic implications of Late Quaternary isostatic adjustment in the Penobscot/Kennebec River system, Maine." Geological Society of America Abstracts with Programs **37**(1): 24.
- Kelsey, H. M., A. R. Nelson, et al. (2005). "Tsunami history of an Oregon coastal lake reveals a 4600 yr record of great earthquakes on the Cascadia subduction zone." Geological Society of America Bulletin **117**(7/8): 1009-1032.
- Kennett, D. J. (2005). The Island Chumash: Behavioral Ecology of a Maritime Society. Berkeley, CA, University of California Press.
- Kennett, D. J., A. Anderson, et al. (2006). "Human Impacts on Rapa, French Polynesia." Antiquity **80**: 340-354.
- Kennett, D. J., A. Anderson, et al. (2006). The ideal free distribution, food production, and the colonization of Oceania. Behavioral Ecology and the Transition to Agriculture. D. J. Kennett and B. Winterhalder. Berkeley, CA, University of California Press.

- Kennett, D. J., A. J. Anderson, et al. (2003). La colonisation et les fortifications de Rapa. Bilan de la recherche archeologique en Polynesie francaise. H. Marchesi. Papeete, Tahiti, Service de la Culture et du Patrimoine.
- Kennett, D. J. and R. Clifford (2004). Flexible strategies for resource defense on the northern channel islands of California: An agent-based model. The Archaeology of Insularity: Examining the Past in Island Environments. S. Fitzpatrick. West Port, CT, Greenwood Press: 21-50.
- Kennett, D. J. and C. A. Conlee (2003). Emergence of Late Holocene sociopolitical complexity on Santa Rosa and San Miquel Islands. Catalist to Complexity: The Late Holocene Archaeology of the California Coast: Perspectives in California Archaeology. J. M. Erlandson and T. L. Jones. Los Angeles, CA, Institute of Archaeology, University of California.
- Kennett, D. J., B. L. Ingram, et al. (2002). "Differences in 14C age between stratigraphically associated charcoal and marine shell from the archaic period site of kilometer 4, southern Peru: old wood or old water?" Radiocarbon **44**(1): 53-58.
- Kennett, D. J., J. P. Kennett, et al. (2007). "Human responses to middle Holocene climate change on California's channel islands." Quaternary Science Reviews **26**: 351-367.
- Kennett, D. J., S. Sakai, et al. (2002). "Compositional characterization of prehistoric ceramics: A new approach." Journal of Archaeological Sciences **29**: 443-455.
- Kennett, D. J., B. Voorhies, et al. (2006). An evolutionary model for the origins of agriculture on the Pacific coast of southern Mexico. Behavioral Ecology and the Transition to Agriculture. D. J. Kennett and B. Winterhalder. Berkeley, CA, University of California Press.
- Kennett, D. J., B. Voorhies, et al. (2002). "Los Cerritos: an early fishing-farming community on the Pacific Coast of Mexico." Antiquity **76**: 631-632.
- Kennett, D. J., B. Voorhies, et al. (2007). "Prehistoric impacts on marine ecosystems in Guerrero, MEXico." Human Impacts on Marine Environments **in-press**.
- Kennett, D. J. and B. Winterhalder (2006). Behavioral Ecology and the Transition to Agriculture. Berkeley, CA, University of California Press.
- Key, R. M. and P. D. Quay (2002). U. S. WOCE Indian Ocean survey: Final report for radiocarbon, Ocean Tracer Laboratory Tech. Report #902-1: 22 pp.
- Key, R. M., P. D. Quay, et al. (2002). "WOCE radiocarbon IV: Pacific Ocean results; P10, P13N, P14C, P18, P19 & S4P." Radiocarbon **44**(1): 239-392.
- Kienast, M., M. J. Higginson, et al. (2005). "On the sedimentological origin of downcore variations of bulk sedimentary nitrogen isotope ratios." Paleoceanography **20**: 1-13.
- Kilada, R. W., S. E. Campana, et al. (2007). "Validated age, growth and mortality estimates of the ocean quahog (*Arctica islandica*) in the wester Atlantic." ICES J. Marine Science **64**: 31-38.
- Kirtland, B. C., C. M. Aelion, et al. (2005). "Assessing in situ mineralization of recalcitrant organic compounds in vadose zone sediments using delta 13 C and 14 C measurements." Journal of Contaminant Hydrology **76**: 1-18.
- Kirtland, B. C., C. M. Aelion, et al. (2003). "Isotopic and geochemical assessment of in situ biodegradation of chlorinated hydrocarbons." Environmental Science and Technology **37**(18): 4205-4212.
- Klingbeil, A. D. and C. K. Sommerfield (2005). "Latest Holocene evolution and human disturbance of a channel segment in the Hudson River Estuary." Marine Geology **218**: 135-153.
- Klusman, R. W. (2005). "Detailed compositional analysis of gas seepage at the National Carbon Storage Test Site, Teapot Dome, Wyoming, USA." Applied Geochemistry **21**: 1498-1521.
- Koutavas, A., P. B. deMenocal, et al. (2006). "Mid-Holocene El Nino-southern oscillation (ENSO) attenuation revealed by individual foraminifera in eastern tropical Pacific sediments." Geology **34**(12): 993-996.

- Koutavas, A. and J. Lynch-Stieglitz (2003). "Glacial-interglacial dynamics of the eastern equatorial Pacific cold tongue-Intertropical Convergence Zone system reconstructed from oxygen isotope records." Paleoceanography **18**(4).
- Koutavas, A. and J. Lynch-Stieglitz (2007). Variability of the marine ITCZ over the eastern Pacific during the past 30,000 years: Regional perspective and global context. The Hadley Circulation: Present, Past and Future. R. S. Bradley and H. F. Diaz, Kluwer Academic Publishers: 347-369.
- Koutavas, A., J. Lynch-Stieglitz, et al. (2002). "El Nino-like pattern in Ice Age Tropical Pacific Sea surface temperature." Science **297**: 226-230.
- Kowalewski, M., M. G. Simoes, et al. (2005). Holocene terebratulid brachiopods from the southern Brazilian Shelf (South Atlantic): Ecology, taphonomy, and time-averaging. Fifth International Brachiopod Congress. Copenhagen, Harper, D. A. T.
- Long, S. L.
- McCorrey, M.
- Krause, R. A., Jr., S. L. Barbour-Wood, et al. (2004). A comparative analysis of time averaging for bivalves and brachiopods from a modern tropical shelf. Geological Society of America, Abstracts with Programs. Denver, CO, USA.
- 36(5):383
- Krause, R. A., Jr., S. Barbour-Wood, et al. (2006). Evaluating the Holocene c=dynamics of oceanographic processes in the Southeast Brazilian Bight using accumulations of calcitic and aragonitic shells. American Geophysical Union, Fall Meeting. San Francisco, CA, USA.
- PP43A-01233
- Krause, R. A., Jr., S. Barbour-Wood, et al. (2006). "Age mixing among sympatric bivalves and brachiopods from the Brazilian South Atlantic." Geological Society of America Abstracts with Programs **38**(7): 443.
- Krause, R. A., Jr., S. Barbour-Wood, et al. (2005). "The multi-centennial dynamics of an upwelling system revealed by stable isotope and trace element sclerochronology of amino-acid dated bivalve and brachiopod shells." Geological Society of America Abstracts with Programs **37**(7): 525.
- Krause, R. A., Jr., J. W. Huntley, et al. (2007). Assessing environmental factors associated with changes in the growth rate of a bivalve mollusk species through the Holocene. First International Sclerochronology Conference. St. Petersburg, FL USA.
- Laerdal, T., M. R. Talbot, et al. (2002). Late Quaternary sedimentation and climate in the Lake Edward and George area, Uganda-Congo. The East African Great Lakes: Limnology, Palaeolimnology, and Biodiversity. D. Olago and E. O. Odada. Dordrecht, The Netherlands, Kluwer Academic Publishers: 429-470.
- LaGarry, L. A., H. E. LaGarry, et al. (2006). New middle and late Holocene radiocarbon dates for alluvial deposits containing the Sand Creek pit hearths of northwestern Nebraska, U.S.A. 14th Annual Island in the Planes Archeological and Historical Symposium Program and Abstracts.
- Lambert, W. J., P. Aharon, et al. (2003). "An assessment of the Late Holocene record of severe storm impacts from Lake Shelby, Alabama." Gulf Coast Association of Geological Societies Transactions **53**: 443-452.
- Lane, C. S., S. P. Horn, et al. (2004). "Stable carbon isotope ratios in lake and swamp sediments as a proxy for prehistoric forest clearance and crop cultivation in the Neotropics." Journal of Paleolimnology **32**: 375-381.
- Lane, C. S., S. P. Horn, et al. (2007). "Assessing the scale of prehistoric human impact in the Neotropics using stable carbon isotope analyses of lake sediments: A test case from Costa Rica." Latin American Antiquity **in press**.
- Lange, C. B., S. Pantoja, et al. (2006). The Chilean Fjords. Abstracts, EGU General Assembly. Vienna, Austria.
- Langone, L., L. Capotondi, et al. (2003). "Late-Quaternary cold events recorded in the Southern Ocean sediments, Pacific Sector." Terra Antarctica **9**: 100-105.
- Larsen, C. F., R. J. Motyka, et al. (2005). "Rapid viscoelastic uplift in southeast Alaska caused by post-Little Ice Age glacial retreat." Earth and Planetary Science Letters **237**: 548-560.

- Lee, K. (2006). Late Quaternary sea-level lowstand environments and chronology of outer Saco Bay, Maine. Geological Sciences. Orono, ME, University of Maine: 134.
- LeGrande, A. N. and J. Lynch-Stieglitz (2007). "Surface currents in the western North Atlantic during the last glacial maximum." Geochemistry, Geophysics, Geosystems G3 **8**(1).
- Leithold, E. L., N. E. Blair, et al. (2006). "Geomorphologic controls on the age of particulate organic carbon from small mountainous and upland rivers." Global Biogeochemical Cycles **20**: 1-11.
- Leithold, E. L., D. W. Perkey, et al. (2005). "Sedimentation and carbon burial on the northern California continental shelf: the signatures of land-use change." Continental Shelf Research **25**: 349-371.
- Lidke, D. J., S. Y. Johnson, et al. (2003). Map and data for Quaternary faults and folds in Washington State. Geological Survey Open-File Report. **03-0428**.
- Lima, A. L., J. B. Hubeny, et al. (2005). "High-resolution historical records from Pettaquamscutt River basin sediments; 2. Chronology and record of <sup>137</sup>Cs released by the Chernobyl accident." Geochimica et Cosmochimica Acta **69**: 1803-1812.
- Lin, M., M. C. Castro, et al. (2005). "Cross-formational flow and salinity sources inferred from a combined study of helium concentrations, isotopic ratios, and major elements in the Marshall aquifer, southern Michigan." Geochemistry, Geophysics, Geosystems G3 **6**(10): 1-21.
- Lindbladh, M., W. W. Oswald, et al. (2007). "A late-glacial transition from *Picea glauca* to *Picea mariana* in southern New England." Quaternary Research **67**: 502-508.
- Lisker, S., R. Porat, et al. (2007). "Late Quaternary environmental and human events at En Gedi, reflected by the geology and archaeology of the Moringa Cave (Dead Sea area, Israel)." Quaternary Research.
- Liu, J. P., A. C. Li, et al. (2006). "Sedimentary features of the Yangtze River-derived along-shelf clinof orm deposit in the East China Sea." Continental Shelf Research **26**: 2141-2156.
- Liu, J. P. and J. D. Milliman (2004). "Reconsidering Melt-water Pulses 1A and 1B: Global impacts of rapid sea-level rise." Journal of Ocean University of China **3**(3): 183-190.
- Liu, J. P., J. D. Milliman, et al. (2002). "The Shandong mud wedge and post-glacial sediment accumulation in the Yellow Sea." Geo-Marine Letters **21**(4): 212-218.
- Liu, J. P., J. D. Milliman, et al. (2004). "Holocene development of the Yellow River's subaqueous delta, North Yellow Sea." Marine Geology **209**(1-4): 45-67.
- Liu, J. P., K. H. Xu, et al. (2007). "Flux and Fate of Yangtze River sediment delivered to the East China Sea." Geomorphology **85**(3): 208-224.
- Liu, Z., A. C. G. Henderson, et al. (2006). "Alkenone-based reconstruction of late-Holocene surface temperature and salinity changes in Lake Qinghai, China." Geophysical Research Letters **33**.
- Logan, B. (2004). Archaeological Investigations at the Evans Locality, Stranger Creek Valley, Northeastern Kansas-2003. Manhattan, Historic Preservation Office, Kansas State Historical Society; Dept. of Sociology, Anthropology and Social Work, Kansas State University.
- Logan, B. (2005). Archaeological Investigations at the Evans Locality, Stranger Creek Valley, Northeastern Kansas-2004. Manhattan, Historic Preservation Office, Kansas State Historical Society, Dept. of Sociology, Anthropology and Social Work, Kansas State University.
- Loh, A. N., J. E. Bauer, et al. (2005). Dissolved and particulate organic matter source-age characterization in river and estuarine outflow waters: a combined isotope and biochemical approach. ASLO Summer Meeting. Santiago de Compostela, Spain.
- Loh, A. N., J. E. Bauer, et al. (2006). "Dissolved and particulate organic matter source-age characterization in the upper and lower Chesapeake Bay: A combined isotope and biochemical approach." Limnology and Oceanography **51**: 1421-1431.

- Loh, A. N., J. E. Bauer, et al. (2004). "Variable aging and storage of dissolved organic components in the open ocean." Nature **430**: 877-881.
- Longworth, B. E., S. T. Petsch, et al. (2006). A geostatistical approach to watershed sources of aged riverine organic matter to the Hudson-Mohawk River system. American Geophysical Union Fall Meeting. San Francisco, CA.
- Longworth, B. E., S. T. Petsch, et al. (2007). "Linking lithology and land use to sources of dissolved and particulate organic matter in headwaters of a temperate, passive-margin river system." Geochimica et Cosmochimica Acta **in press**.
- Longworth, B. E., P. A. Raymond, et al. (2003). Ancient organic matter sources to the Hudson-Mohawk River system: implications of riverine transport of ancient organic matter for the global biogeochemical. American Geophysical Union (AGU). San Francisco, CA.
- Lucchi, M. R., F. Fiorini, et al. (2006). "Late-Quaternary paleoenvironmental evolution of Lesina lagoon (southern Italy) from subsurface data." Sedimentary Geology **183**: 1-13.
- Lugolobi, F., J. C. Varekamp, et al. (2002). The use of carbon isotopes to trace changes in biological oxygen demand in Long Island Sound. Long Island Sound/NEERS Research Conference, Groton, CT.
- Lugolobi, F., J. C. Varekamp, et al. (2003). Carbon cycling in Long Island Sound over the last 1000 years. AGU, Fall meeting, San Francisco, CA.
- Lugolobi, F., J. C. Varekamp, et al. (2004). The use of stable carbon isotopes in foraminiferal calcite to trace changes in biological oxygen demand in Long Island Sound. 6th Biennial LIS Res. Conf. Proc.
- Lugolobi, T. E. and J. C. Varekamp (2002). "Paleoceanographic proxies in Long Island Sound, CT USA." Geochimica et Cosmochimica Acta **66(15A)**: 772.
- Lund, D. C., J. Lynch-Stieglitz, et al. (2006). "Gulf stream density structure and transport during the past millennium." Nature **444**: 601-604.
- Lynch-Stieglitz, J., J. F. Adkins, et al. (2007). "Atlantic meridional overturning circulation during the last glacial maximum." Science **316**: 66-69.
- Lynch-Stieglitz, J., W. Curry, et al. (2006). "Meridional overturning circulation in the South Atlantic at the last glacial maximum." Geochemistry, Geophysics, Geosystems **G3** **7**.
- Ma, L., M. C. Castro, et al. (2004). "A late Pleistocene-Holocene noble gas paleotemperature record in southern Michigan." Geophysical Research Letters **31**: 1-24.
- Ma, L., M. C. Castro, et al. (2005). "Cross-formational flow and salinity sources inferred from a combined study of helium concentrations, isotopic ratios and major elements in the Marshall aquifer, southern Michigan." Geochemistry, Geophysics, Geosystems **G3** **6(10)**.
- Ma, L., M. C. Castro, et al. (2005). "Unusually high helium fluxes in the shallow Marshall aquifer in southern Michigan: implications for cross-formational flow and salinity sources." Eos Trans. AGU Fall Meeting Supplement **86(52)**.
- Machette, M. N., M.-M. Coates, et al. (2007). Quaternary geology of the San Luis Basin, southern Colorado and Northern New Mexico--Rocky Mountain Section Friends of the Pleistocene Guidebook. U. S. Geological Survey Open-File Report 2007-1193.
- Machette, M. N., A. J. Crone, et al. (2007). Paleoseismology of the Nephi segment of the Wasatch fault zone, Juab County, Utah--Preliminary results from two large exploratory trenches at Willow Creek, U. S. Geological Survey Investigations Map 2966, 2 oversized plates.
- Machette, M. N., D. W. Marchetti, et al. (2007). Chapter B--Field Trip Day 2: Quaternary Geology of Lake Alamosa and the Costilla Plain, southern Colorado. Quaternary geology of the San Luis Basin, southern Colorado and Northern New Mexico--Rocky Mountain Section Friends of the Pleistocene Guidebook: U. S. Geological Survey Open-File Report 2007-1193. M. N. Machette, M.-M. Coates and M.

J. Johnson.

Machette, M. N. and K. Puseman (2007). Chapter E--Holocene sand deposits in the San Luis Basin, east of Alamosa Colorado.

Quaternary geology of the San Luis Basis, southern Colorado and Northern New Mexico--Rocky Mountain Section Friends of the Pleistocene Guidebook: U. S. Geological Survey Open-File Report 2007-1193. M. N. Machette, M.-M. Coates and M. J. Johnson.

Machette, M. N. and R. A. Thompson (2005). Preliminary geologic map of the northwestern part of the Alamosa 1/2 degree x 1 degree quadrangle, Alamosa and Conjos Counties, Colorado, U. S. Geological Survey: Open-File Report 2005-1392, 1 sheet, 1:50,000 scale.

Machette, M. N. and R. A. Thompson (2007). Preliminary geologic map of the north-central part of the Alamosa 1/2 degree x 1 degree quadrangle, Alamosa and Conejos Counties, Colorado, U. S. Geological Survey Open-File Report: 1 sheet, 1:50,000 scale.

Mallinson, D., S. Riggs, et al. (2005). "Late neogene and quaternary evolution of the northern Albermarle Embayment (mid-Atlantic continental margin, USA)." Marine Geology **217**: 97-117.

Mandalakis, M., O. Gustafsson, et al. (2005). "Contribution of biomass burning to polycyclic aromatic hydrocarbons in European background aerosols." Environmental Science and Technology **39**(9): 2976-2982.

Mandalakis, M., O. Gustafsson, et al. (2004). "Radiocarbon Apportionment of Fossil versus Biofuel Combustion Sources of Polycyclic Aromatic Hydrocarbons in the Stockholm Metropolitan Area." Environmental Science and Technology **38**(20): 5344-5349.

Marchitto, T. M., S. J. Lehman, et al. (2007). "Marine radiocarbon evidence for the mechanism of deglacial atmospheric CO<sub>2</sub> rise." Scienceexpress.org on-line(science.1138679): 5.

Matsumoto, K. and R. M. Key (2004). Natural radiocarbon distribution in the deep ocean. Global Environmental Change in the Ocean and on Land. M. Shiyomi, H. Kawahata, H. Koizumi, A. Tsuda and Y. Awaya. Tokyo, Terrapub: 45-58.

Matsumoto, K. and J. Lynch-Stieglitz (2003). "Persistence of Gulf Stream separation during the Last Glacial Period: Implications for current separation theories." Journal of Geophysical Research **108**(C6).

Matsumoto, K., J. L. Sarmiento, et al. (2004). "Evaluation of ocean carbon cycle models with data-based metrics." Geophysical Research Letters **31**.

McCallister, S. L., J. E. Bauer, et al. (2004). "Assessing sources and ages of organic matter supporting river and estuarine bacterial production: a multiple isotope ( $\Delta^{14}\text{C}$ ,  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$ ) approach." Limnology and Oceanography **49**: 1687-1702.

McCallister, S. L., J. E. Bauer, et al. (2006). "Bioreactivity of estuarine dissolved organic matter: a combined geochemical and microbiological approach." Limnol. Oceanogr. **51**: 94-100.

McCallister, S. L., J. E. Bauer, et al. (2006). "Sources and potential transformation of estuarine dissolved and particulate organic matter: a multi-tracer approach." Organic Geochemistry **37**: 454-468.

McCallister, S. L., J. E. Bauer, et al. (2005). "Effects of natural sunlight on decomposition of estuarine dissolved organic C, N and P and bacterial growth." Aquatic Microbial Ecology **40**: 25-35.

McHugh, C. M. G. and H. C. Olson (2002). "Pleistocene chronology of continental margin sedimentation: New insights into traditional models, New Jersey." Marine Geology **186**: 389-411.

McHugh, C. M. G., S. Pekar, et al. (2004). "Spatial variations in a condensed interval between estuarine and open marine settings: Holocene Hudson River Estuary and adjacent continental shelf." Geology **32**(2): 169-172.

McHugh, C. M. G., L. Seeber, et al. (2006). "Submarine earthquake geology along the North Anatolia Fault in the Marmara Sea, Turkey: A model for transform basin sedimentation." Earth & Planetary Science Letters **248**: 661-684.

McManus, J. F., R. Francois, et al. (2004). "Collapse and rapid resumption of Atlantic meridional circulation linked to

deglacial climate changes." Nature **428**: 834-837.

McManus, J. F., D. W. Oppo, et al. (2003). Analog for Holocene and future Climate? Geophysical Monograph 137, Earth's Climate and Orbital Eccentricity: The Marine Isotope State 11 Questions. A. Droxler, R. Poore, L. Burckle and L. Osterman: 69-85.

Metcalfe, E. (2007). Late-glacial through Holocene stratigraphy and lake-level record of Rangeley Lake, Western Maine, University of Maine.

Methot, R. and I. J. Stewart (2005). Status of the U. S. canary rockfish resource in 2005. Status of the Pacific Coast Groundfish Fishery Through 2005, Stock Assessment and Fishery Evaluation: Stock Assessments and Rebuilding Analyses P. F. M. Council. Portland, OR. 6.

Minor, R. and A. R. Nelson (2004). "Artifacts from a submerged prehistoric site on the Coos Bay Estuary, southern Oregon coast." Journal of California and Great Basin Anthropology **24**(1): 41-52.

Mittelbach, G. G., D. W. Schemske, et al. (2007). Evolution and latitudinal diversity gradient: Speciation, extinction, and biogeography. Ecology Letters. **on-line**.

Mollenhauer, G. and T. I. Eglinton (2004). Radiocarbon content of alkenones, foraminifera and bulk OC in oxic and anoxic sediments from the California Borderland Basins, Poster. Gordon Research Conference Organic Geochemistry. Holderness School, New Hampshire, USA.

Mollenhauer, G. and T. I. Eglinton (2007). "Diagenetic and sedimentological controls on the composition of organic matter preserved in California Borderland Basin sediments." Limnol. Oceanogr. **52**(2): 558-576.

Mollenhauer, G. and T. I. Eglinton (2007). "Selective degradation of organic compounds in sediments from the California Borderland Basins: evidence from compound specific Delta 14C and delta 13C analyses." Limnology and Oceanography **52**: 558-576.

Mollenhauer, G., T. I. Eglinton, et al. (2003). Alkenone radiocarbon stratigraphy at high resolution continental margin sites. EGS-AGU-EUG Joint Assembly, Nice, France.

Mollenhauer, G., T. I. Eglinton, et al. (2004). Advective controls on the age of marine sedimentary organic matter. Gordon Research Conference Organic Geochemistry, Holderness School, New Hampshire, USA.

Mollenhauer, G., T. I. Eglinton, et al. (2003). Radiocarbon ages of marine biomarkers and co-occurring foraminifera: evidence for differential particle transport on continental margins. AGU Fall Meeting 2003, San Francisco, USA.

Mollenhauer, G., T. I. Eglinton, et al. (2004). Radiocarbon ages of marine biomarkers and co-occurring foraminifera: evidence for differential particle transport on continental margins, Poster. Eighth International Conference on Palaeoceanography. Biarritz, France.

Mollenhauer, G., T. I. Eglinton, et al. (2002). Radiocarbon dating of alkenones in sediments from the Namibian continental margin. European Geophysical Society, XXVII General Assembly, Nice, France.

Mollenhauer, G., T. I. Eglinton, et al. (2003). "Asynchronous alkenone and foraminifera records from the Benguela Upwelling System." Geochimica et Cosmochimica Acta **67**(12): 2157-2171.

Mollenhauer, G., T. I. Eglinton, et al. (2003). Compound specific radiocarbon dating of alkenones: methodological considerations and applications in paleoceanography. 18th International Radiocarbon Conference, Wellington, New Zealand.

Mollenhauer, G., M. Inthorn, et al. (2006). Cross-shelf lateral transport in the Benguela Upwelling System: Aging of marine organic matter in the benthic boundary layer. Ocean Sciences Meeting, Honolulu, Hawaii USA.

Mollenhauer, G., M. Inthorn, et al. (2007). "Aging of marine organic matter during cross-shelf lateral transport in the Benguela upwelling system." G-cubed **in press**.

- Mollenhauer, G., M. Kienast, et al. (2005). "An evaluation of 14C age relationships between co-occurring foraminifera, alkenones, and total organic carbon in continental margin sediments." Paleoceanography **20**: 1-12.
- Mollenhauer, G., J. F. McManus, et al. (2005). Rapid lateral particle transport in the Argentine Basin: Th-230 and molecular C-14 Evidence, Poster. EGU General Assembly. Vienna, Austria.
- Mollenhauer, G., J. F. McManus, et al. (2006). "Rapid lateral particle transport in the Argentine Basin: Molecular 14C and 230Th evidence." Deep-Sea Research I **53**: 1224-1243.
- Mollenhauer, G., J. F. McManus, et al. (2007). Radiocarbon and Th-230 data reveal temperal changes in sediment focusing at ODP site 984, Poster. EGU General Assembly. Vienna, Austria.
- Mollenhauer, G., D. B. Montlucon, et al. (2005). "Radiocarbon dating of alkenones from marine sediments: II. Assessment of carbon process blanks." Radiocarbon **47**(3): 413-424.
- Mollenhauer, G., J. S. Sinninghe, et al. (2006). Effects of differential degradation of marine organic compounds on preserved radiocarbon ages and biomarker-based SST reconstructions, Poster. EGU General Assembly. Vienna, Austria.
- Morigi, C., L. Capotondi, et al. (2003). "A possible record of the Younger Dryas event in Deep-Sea sediments of the Southern Ocean (Pacific Sector)." Paleogeography, Paleoclimatology, Palaeoecology **198**: 265-278.
- Moros, M., A. Kuijpers, et al. (2002). "Were glacial iceberg surges in the North Atlantic triggered by global climatic warming?" Marine Geology **192**(4): 393-417.
- Moros, M., J. F. McManus, et al. (2004). "Quartz content and the quartz-to-plagioclase ratio determined by X-ray diffraction: a proxy for ice rafting in the northern North Atlantic?" Earth and Planetary Science Letters **218**(3-4): 389-401.
- Motyka, R. J. (2003). "Post little ice age uplift at Juneau, Alaska reconstructed from dendrochronology and geomorphology." Quaternary Research **59**: 300-309.
- Moyer, R. P. and A. G. Grottoli (2006). Stable carbon isotopes in coastal Puerto Rico corals and adjacent natural waters: implications for land-ocean connectivity and land-use history. Ocean Sciences Meeting. Honolulu. **Abstract #OS25J-14**.
- Moyer, R. P. and A. G. Grottoli (2007). Stable-and radiocarbon isotopes in corals and adjacent natural waters: reconstructing land-use change and the land-ocean carbon cycle. ASLO. Santa Fe, NM: 126.
- Muhs, D. R., J. F. Wehmiller, et al. (2004). Quaternary sea level history of the United States. The Quaternary period in the United States, Developments in Quaternary science. A. R. Gillespie, S. C. Porter and B. F. Atwater. Amsterdam, Elsevier: 147-183.
- Munroe, J. S. (2005). "Lacustrine loss-on-ignition records from the southern Uinta Mountains." Geological Society of America Abstracts with Programs **37**(7): 432.
- Nelson, A. R. (2007). Tectonics and relative sea-level change. Encyclopedia of Quaternary Science. E. Scott, Elsevier: 3072-3087.
- Nelson, A. R., A. C. Asquith, et al. (2004). "Great earthquakes and tsunamis of the Past 2000 years at the Salmon River Estuary, central Oregon coast, USA." Bulletin of the Seismological Society of America **94**(4): 1276-1292.
- Nelson, A. R., S. Y. Johnson, et al. (2003). "Late Holocene earthquakes on the Toe Jam Hill fault, Seattle fault zone, Bainbridge Island, Washington." Geological Society of America Bulletin 1388-1403.
- Nelson, A. R., S. Y. Johnson, et al. (2003). Field and laboratory data from an earthquake history study of the Waterman Point fault, Kitsap County, Washington. U. S. Geological Survey Miscellaneous Field Studies Map MF-2423.
- Nelson, A. R., S. Y. Johnson, et al. (2002). "Field and laboratory data from an earthquake history study of the Toe Jam Hill fault, Bainbridge Island, Washington." U.S. Geological Survey Open-File Report 02-60: 37 p.
- Nelson, A. R., H. M. Kelsey, et al. (2006). "Great earthquakes of variable magnitude at the Cascadia subduction zone." Quaternary Research **65**: 354-365.

- Nelson, A. R., S. F. Personius, et al. (2007). Field and laboratory data from an earthquake history study of scarps of the Lake Creek-Boundary Creek fault between the Elwha River and Siebert Creek, Clallam County, Washington. U. S. Geological Survey Scientific Investigations Report 2004. Map 2961.
- Normark, W. R., S. Baher, et al. (2004). Late Quaternary sedimentation and deformation in Santa Monica and Catalina Basins, offshore southern California. Geology and Tectonics of Santa Cataline Island and the California Continental Borderland. S. C. G. S. A. F. T. Guidebook. Santa Ana, California: 291-317.
- Normark, W. R. and M. McGann (2004). "Late Quaternary deposition in the Inner Basins of the California Continental Borderland: Part A. Santa Monica Basin." U. S. Geological Survey Scientific Investigations Report 2004 5183: 1-21.
- Normark, W. R., M. McGann, et al. (2004). "Age of the Palos Verdes submarine debris avalanche, southern California." Marine Geology 203: 247-259.
- Normark, W. R., M. McGann, et al. (2007). "Late Quaternary sediment-accumulation rates within the inner basins of the California Continental Borderland in support of geologic hazard evaluation." Geological Society of America Special Paper in press.
- Normark, W. R., D. J. W. Piper, et al. (2007). Submarine canyon and fan systems of the California Continental Borderland, Chapter 3-7. Earth Science in the Urban Ocean: The Southern California Contental Borderlands G. S. o. A. S. Paper.
- Normark, W. R., W. Piper, et al. (2006). "Sea-level and tectonic control of middle to late Pleistocene turbidite systems in Santa Monica Basin, offshore California." Sedimentology 53: 867-897.
- Normark, W. R. and J. A. Reid (2003). "Extensive deposits on the Pacific Plate from late Pleistocene North-American glacial lake outbursts." Geology 111: 617-637.
- Ogrinc, N., G. Fontolan, et al. (2005). "Carbon and nitrogen isotope compositions of organic matter in coastal marine sediments (the Gulf of Trieste, N. Adriatic Sea): indicators of sources and preservation." Marine Chemistry 95: 163-181.
- Ohkashi, K., M. Uchida, et al. (2007). "Radiocarbon marine reservoir ages in the subarctic region off north Japan during the last deglacial period." Radiocarbon in press.
- Ohkouchi, N. and T. I. Eglinton (2006). "Carbon isotopic constraints on relict organic carbon contributions to Ross Sea sediments." G-cubed 7.
- Ohkouchi, N., T. I. Eglinton, et al. (2003). "Radiocarbon dating of individual fatty acids as a tool for refining Antarctic Margin sediment chronologies." Radiocarbon 45(1): 17-24.
- Ohkouchi, N., T. I. Eglinton, et al. (2005). "Radiocarbon dating of alkenones from marine sediments-III. Influence of solvent extractions procedures on 14C measurements of foraminifera." Radiocarbon 47: 425-432.
- Ohkouchi, N., T. I. Eglinton, et al. (2002). "Spatial and temporal offsets between proxy records in a sediment drift." Science 298: 1224-1226.
- Ohkouchi, N., L. Xu, et al. (2005). "Radiocarbon dating of alkenone from marine sediment: I. Isolation protocol." Radiocarbon 47(3): 401-412.
- Ohkushi, K. i., N. Ahagon, et al. (2005). "Foraminiferal isotope anomalies from northwestern Pacific marginal sediments." Geochemistry, Geophysics, Geosystems G3 6(4): 1525-2027.
- Ohkushi, K. i., M. Uchida, et al. (2004). "Glacial intermediate water ventilation in the northwestern Pacific based on AMS radiocarbon dating." Nuclear Instruments and Methods in Physics Research B 223-224(460-465).
- Ollerhead, J., D. J. Huntley, et al. (2001). "Optical dating of tsunami-laid sand from an Oregon coastal lake." Quaternary Science Reviews 20: 1915-1926.
- Oppo, D. W., J. F. McManus, et al. (2003). "Deepwater variability in the Holocene Epoch." Nature 422(2): 277-278.
- Oppo, D. W. and Y. Sun (2005). "Amplitude and timing of sea surface temperature change in the northern South China Sea:

dynamic link to the East Asian Monsoon." Geology **33**: 785-788.

Orpin, A. R., C. Alexander, et al. (2006). "Temporal and spatial complexity in post-glacial shelf sedimentation on the tectonically active, Poverty Bay continental margin of New Zealand." Continental Shelf Research **26**: 2205-2224.

Orsini, G., F. Giglio, et al. (2003). "Paleoenvironmental inferences from core Anta95-1 (Granite Harobr, Sw Ross Sea-Antarctica)." Terra Antarctica reports **8**: 133-138.

Ortiz, J. D., S. O'Connell, et al. (2004). "Enhanced marine productivity off western North America during warm climate intervals of the past 52 kyr." Geology **32**(6): 521-524.

Oswald, W. W., E. K. Faison, et al. (2007). "Post-glacial changes in spatial patterns of vegetation across southern New England." Journal of Biogeography **34**: 900-913.

Pahnke, K. and J. P. Sachs (2006). "Sea surface temperatures of southern middle-latitudes 0-160 by BP." Paleoceanography **21**.

Parham, P., S. Riggs, et al. (2007). "Quaternary depositional patterns and sea-level fluctuations, Northeastern North Carolina." Quaternary Research **67**: 83-99.

Patrut, A., K. von Reden, et al. (2007). "C-14 dating of a very large baobab tree." Tree Physiology **in press**.

Pearson, A., J. S. Seewald, et al. (2005). "Bacterial incorporation of relict carbon in the hydrothermal environment of Guaymas Basin." Geochimica et Cosmochimica Acta **23**: 5477-5486.

Perkey, D. W., J. E. Bauer, et al. (2007). Variability of major carbon pools in the Mississippi River: importance of tributary inputs and regional land use on carbon and organic matter biogeochemistry. ASLO Aquatic Sciences Meeting. Santa Fe, NM.

Peteet, D., D. Pederson, et al. (2006). Hudson River Paleocology from Marshes. Hudson River Fishes and their Environment. J. R. Waldman, K. E. Limburg and D. Strayer, American Fisheries Society Monograph: 113-128.

Petsch, S. T., K. J. Edwards, et al. (2005). Microbial transformations of organic matter in black shales and implications for global biogeochemical cycles. Geobiology: Objectives, Concepts, Perspectives. N. Noffke, Elsevier.

Petsch, S. T., E. S. Gordon, et al. (2006). Sources age and composition of dissolved and particulate organic matter delivered to a passive margin river system. ASLO/AGU Ocean Science Meeting. Honolulu, HI.

Piner, K. P. and S. G. Wischniowski (2004). "Pacific halibut (*Hippoglossus stenolepis*) chronology of bomb radiocarbon in otoliths from 1944-1981 and a validation of ageing methods." Journal of Fish Biology **64**: 1060-1070.

Piner, K. R., O. S. Hamel, et al. (2005). "Age validation of canary rockfish from off the Oregon coast (USA) using the bomb radiocarbon method." Canadian Journal of Fisheries and Aquatic Sciences **62**: 1060-1066.

Piner, K. R., J. R. Wallace, et al. (2006). "Evaluation of ageing accuracy of Bocaccio (*Sebastes paucispinis*) rockfish using bomb radiocarbon." Fisheries Research **77**: 200-206.

Ping, C. L., F. Dou, et al. (2006). "Pedological properties of the eroding coastline along the Beaufort Sea, Alaska." Eos Trans. AGU Fall Meeting Supplement **87**(52).

Piniak, G. A. (2006). The ARCADIA cruise: Assessing long-term changes in tropical reef coral distribution along the Atlantic Continental Margin, southeastern United States. Project report to NOAA Office of Ocean Exploration. Silver Spring, MD: 14 pp.

Prokopenko, A. A., G. K. Khursevich, et al. (2007). "Paleoenvironmental proxy records from Lake Hovsgol, Mongolia, and a synthesis of Holocene climate change in the Lake Baikal watershed." Quaternary Research **68**: 2-17.

Prokopenko, A. A., M. I. Kuzmin, et al. (2005). "Basin-wide sedimentation changes and deglacial lake-level rise in the Hovsgol basin, NW Mongolia." Quaternary International **136**: 59-69.

Rao, V. P., P. M. Kessarkar, et al. (2003). "Microbial dolomite crusts from the carbonate platform off western India." Sedimentology **50**: 819-830.

- Rasmussen, T. L., D. W. Oppo, et al. (2003). "Deep sea records from the southeast Labrador Ocean circulation changes and ice-rafting events during the last 160,000 years." Paleoceanography **18**.
- Raymond, P. A. (2003). Evaluating system-specific variability in riverine organic matter ages: implications for determining terrestrial contributions to oceanic DOC. Symposium on New Approaches in Marine Organic Biogeochemistry. Friday Harbor Laboratory, Seattle, WA.
- Raymond, P. A. (2005). Carbon Isotopes in Riverine Systems. Lindeman Speaker, Department of Ecology, Evolution and Behavior. University of Minnesota.
- Raymond, P. A. (2005). "The composition and transport of organic carbon in rainfall: insights from the natural ( $^{13}\text{C}$  and  $^{14}\text{C}$ ) isotopes of carbon." Geophysical Research Letters **32**.
- Raymond, P. A. (2006). Organic Carbon in Rivers (Plenary Lecture). Geochemical Earth Reference Model (GERM) Workshop. Lamont-Doherty
- Raymond, P. A. (2006). Sources, fate and turnover of terrestrial organic carbon in rivers. Goldschmidt Conference. Melbourne, Australia.
- Raymond, P. A., J. E. Bauer, et al. (2004). "Controls on the variability of organic matter and dissolved inorganic carbon age in northeast U.S. rivers." Marine Chemistry **92**: 353-366.
- Raymond, P. A., J. W. McClelland, et al. (2007). "The flux and age of DOC exported to the Arctic Ocean: A carbon isotopic study of the five largest Arctic rivers." Global Biogeochemistry **in press**.
- Raymond, P. A., W. R. McGillis, et al. (2005). An investigation of accurate gas exchange measurements for determining a large river carbon isotope mass balance. 37th Liege International Colloquium on Gas Transfer at Water Surfaces. Liege, Belgium.
- Raymond, P. A. and N.-H. Oh (2006). Sources, fate and turnover of terrestrial organic carbon in rivers (Lecture). Organic Geochemistry Gordon Conference. Plymouth, NH.
- Raynor, L. A., D. J. Kennett, et al. (2007). "Dietary variability among United States soldiers during the War of 1812." Journal of Historical Archaeology **in press**.
- Reddy, C. M., T. I. Eglinton, et al. (2002). "The West Falmouth oil spill after thirty years: the persistence of petroleum hydrocarbons in marsh sediments." Environmental Science and Technology **36**: 4754-4760.
- Reddy, C. M., A. Pearson, et al. (2002). "Radiocarbon as a tool to apportion the sources of polycyclic aromatic hydrocarbons and black carbon in environmental samples." Environmental Science and Technology **36**(8): 1774-1782.
- Reddy, C. M., L. Xu, et al. (2002). "Radiocarbon content of synthetic and natural semi-volatile halogenated organic compounds." Environmental Pollution (Oxford, United Kingdom) **120**(2): 163-168.
- Reddy, C. M., L. Xu, et al. (2003). "Heterogeneity in the radiocarbon content of Polycyclic aromatic hydrocarbons in household soot." Environmental Forensics **4**: 191-197.
- Reddy, C. M., L. Xu, et al. (2003). "Using radiocarbon to apportion sources of polycyclic aromatic hydrocarbons in household soot." Environmental Forensics **4**: 191-197.
- Reddy, C. M., L. Xu, et al. (2004). "Radiocarbon evidence for a naturally-produced, bioaccumulation halogenated organic compound." Environmental Science and Technology **38**(7): 1992-1997.
- Reid, J. A. and W. R. Normark (2003). "Tufts submarine fan: Turbidity-current gateway to Escanaba Trough." U. S. Geological Survey Bulletin 2216 Bulletin **2216**(Version 1.0).
- Reimer, P. and K. A. Hughen (2006). "IntCal04 Update: The future of radiocarbon calibration." PAGES Newsletter **14**: 9-10.
- Rick, T. C. (2002). "Eolian processes, ground cover, and the archaeology of coastal dunes: a taphonomic case study from San Miguel Island, California, U.S.A." Geoarchaeology **17**(8): 811-833.
- Rick, T. C. (2003). Niaqla revisited: Archaeology and ethnohistory of a Chumash Village on Santa Rosa Island, California. Society for California Archaeology 16.

- Rick, T. C. (2004). "Red abalone bead production and exchange on California's northern channel islands." North American Archaeologist **25**: 215-237.
- Rick, T. C. (2004). Social and economic dynamics on Late Holocene San Miguel Island, California. Foundations of Chumash Complexity. J. Arnold. Los Angeles, UCLA Cotsen Institute of Archaeology: 97-112.
- Rick, T. C. (2006). "A 5,000-year record of coastal settlement on Anacapa Island, California." Journal of California and Great Basin Anthropology **26**: 65-72.
- Rick, T. C. (2007). The Archaeology and Historical Ecology of Late Holocene San Miguel Island. Los Angeles, Cotsen Institute of Archaeology, University of California.
- Rick, T. C. (2007). "Household and community archaeology at the Chumash Village of Niaqla, Santa Rosa Island, California." Journal of Field Archaeology **in press**.
- Rick, T. C., J. M. Erlandson, et al. (2007). Historical ecology and human impacts on coastal ecosystems of the Santa Barbara Channel region, California. Ancient Human Impacts on Marine Environments: A Global Perspective. T. C. Rick and J. M. Erlandson. Berkeley, University of California Press.
- Rick, T. C., J. M. Erlandson, et al. (2003). "Early cave occupations on San Miguel Island, California." Current Research in the Pleistocene **20**: 70-72.
- Rick, T. C., J. M. Erlandson, et al. (2005). "From Pleistocene mariners to complex hunter-gatherers: the archaeology of the California Channel Islands." Journal of World Prehistory **19**: 169-228.
- Rick, T. C., J. R. Johnson, et al. (2004). "Style, context, and chronology of a wooden canoe model from Santa Rosa Island, California." Journal of California and Great Basin Anthropology **24**(2): 301-307.
- Rick, T. C., D. J. Kennett, et al. (2005). Preliminary report on the archaeology and paleoecology of the Abalone Rocks Estuary, Santa Rosa Island, California. Proceedings of the Sixth California Islands Symposium, Santa Barbara Museum of Natural History, National Park Service Technical Publications, Institute for Wildlife Studies, Arcata, California.
- Rick, T. C., D. J. Kennett, et al. (2006). "Early Holocene land use and subsistence on eastern Santa Rosa Island, California." Current Research in the Pleistocene **22**: 60-62.
- Rick, T. C., J. A. Robbins, et al. (2006). "Stable isotopes from marine shells, ancient environments, and human subsistence on Middle Holocene Santa Rosa Island, California, U.S.A." Journal of Island and Coastal Archaeology **1**: 233-254.
- Rick, T. C., R. L. Vellanoweth, et al. (2005). "Radiocarbon dating and the "old shell" problem: direct dating of artifacts and cultural chronologies in coastal and other aquatic regions." Journal of Archaeological Sciences **32**: 1641-1648.
- Rick, T. C., R. L. Vellanoweth, et al. (2002). "On the antiquity of the single-piece shell fishhook: AMS radiocarbon evidence from the southern California coast." Journal of Archaeological Sciences **29**: 933-942.
- Ritterbush, L. W. and B. Logan (2006). The Montana Creek Sites: Archaeological Investigations at Lovewell Reservoir, Jewell County, Kansas-2004. Manhattan, Nebraska-Kansas Area Office, Bureau of Reclamation. Dept. of Sociology, Anthropology and Social Work, Kansas State University.
- Roberts, M., R. Schneider, et al. (2007). "A gas ion source for accelerator mass spectrometry." Nucl. Inst. & Meth. in Physics Research B. **in press**.
- Robinson, L. F., J. F. Adkins, et al. (2005). "Radiocarbon variability in the western North Atlantic during the last deglaciation." Science **310**: 1469-1473.
- Rosenheim, B. E. and S. P. K. (2007). "Caribbean sclerosponge radiocarbon measurements re-interpreted in terms of U/Th age models." Nuclear Instruments and Methods in Physics Research B **259**: 474-478.
- Rosenthal, Y., D. W. Oppo, et al. (2003). "The amplitude and phasing of climate change during the last deglaciation in the Sulu Sea, western equatorial Pacific." Geophysical Research Letters **30**.

- Ross, M., C. L. Coultas, et al. (2003). "Soil-productivity relationship and organic matter turnover in dry tropical forests of the Florida Keys." Plant and Soil **253**: 479-493.
- Ross, S. D. B., M. Fisher, et al. (2004). "Comments on potential geologic and seismic hazards affecting coastal Ventura County, California." U. S. Geological Survey OFR 1004-1286: 19 p.
- Roussenov, V., R. G. Williams, et al. (2004). "Role of bottom water transport and diapycnic mixing in determining the radiocarbon distribution in the Pacific." J. Geophys. Res. **109**.
- Rubin, S. and R. M. Key (2002). "Separating natural and bomb-produced radiocarbon in the ocean: The potential alkalinity method." Global Biogeochemical Cycles **16**(4).
- Russell, J. M. and T. C. Johnson (2005). "An equatorial harmonic of the high latitude 1500-year cycle." Geophysical Research Letters **32**.
- Russell, J. M. and T. C. Johnson (2005). "A high-resolution geochemical record from Lake Edward, Uganda Congo and the timing and causes of tropical African drought during the Late Holocene." Quaternary Science Reviews **24**: 1375-1389.
- Russell, J. M. and T. C. Johnson (2007). "Little Ice Age drought in equatorial Africa: ITCZ migrations and ENSO variability." geology **35**: 21-24.
- Russell, J. M., T. C. Johnson, et al. (2002). "An 11,000 year lithostratigraphic and paleohydrologic record from equatorial Africa: Lake Edward, Uganda-Congo." Paleogeography, Paleoclimatology, Palaeoecology **193**: 25-49.
- Russell, J. M., T. C. Johnson, et al. (2003). "A 725 yr. cycle in the climate of central Africa during the Late Holocene." Geology **31**(8): 677-680.
- Russell, J. M., M. R. Talbot, et al. (2003). "Mid-Holocene climate change in Lake Bosumtwi, Ghana." Quaternary Research **60**: 133-141.
- Russell, J. M., D. Verschuren, et al. (2007). "Spatial complexity of basins in Western Uganda." The Holocene **17**: 183-193.
- Sabine, C. L., R. M. Key, et al. (2002). "Inorganic carbon in the Indian Ocean: Distribution and dissolution processes." Global Biogeochemical Cycles **16**(4).
- Sabine, C. L., R. M. Key, et al. (2005). Global ocean data analysis project (GLODAP): Results and data, ORNL/CDIAC-145, NDP-145: 81 pp.
- Sachs, J. P. (2007). "Cooling of Northwest Atlantic slope waters during the Holocene." Geophysical Research Letters **34**.
- Sachs, J. P. and R. F. Anderson (2005). "Increased Subantarctic ocean productivity during Heinrich Events." Nature **434**: 1118-1121.
- Santschi, P. H. and G. T. Rowe (2007). "Radiocarbon-derived sedimentation rates in the Gulf of Mexico." Gulf of Mexico Special Issue of Deep Sea Research II in press.
- Sapota, T., A. Aldahan, et al. (2006). "Sedimentary facies and climate control on formation of vivianite and siderite microconcretions in sediments of Lake Baikal, Siberia." J Paleolimnol **36**: 245-257.
- Schneider, R., S.-W. Kim, et al. (2004). "A gas ion source for continuous-flow AMS." Nucl. Inst. & Meth. in Physics Research B.(223-224).
- Schrum, H., J. Hayes, et al. (2006). "Refining the radiocarbon dating of Antarctic marine sediments via stepped combustion." Eps Trans AGU **87**(36).
- Schumann, R. R. and M. N. Machette (2007). Chapter F--Late Pleistocene to early Holocene paleoecology of the "Mr. Peat" wetland deposit, Alamosa County, Colorado.  
Quaternary geology of the San Luis Basin, southern Colorado and Northern New Mexico--Rocky Mountain Section Friends of the Pleistocene Guidebook: U. S. Geological Survey Open-File Report 2007-1193. M. N. Machette, M.-M. Coates and M. J. Johnson.

- Scileppi, E. and J. P. Donnelly (2007). "Sedimentary evidence of hurricane strikes in western Long Island, New York." Geochemistry, Geophysics, Geosystems **G3** *in press*.
- Seer, L., M.-H. Cormier, et al. (2006). "Rapid subsidence and sedimentation from oblique slip near a bend on the North Anatolian transform fault in the Marmara Sea, Turkey." Geology **34**(11): 933-936.
- Sepulveda, J., S. Pantoja, et al. (2005). "Fluctuations in export productivity over the last century from sediments of a southern Chilean fjord (44 degrees S)." Estuarine, Coastal and Shelf Science **65**: 587-600.
- Shah, S. R. and A. Pearson (2007). "Ultra-microscale analysis of lipids by 14C-AMS: Assessment and correction for sample processing blanks." Radiocarbon **49**: 69-82.
- Sherman, S. A. and W. C. Johnson (2006). "National register evaluation and geoarchaeological analysis of the sites and shovel testing at Fort Riley, Kansas." Center for Environmental Management of Military Lands, Colorado State Univ. **TPS 06-13**.
- Sherrod, B. L., T. M. Brocher, et al. (2004). "Holocene fault scarps near Tacoma, Washington." Geology **32**: 9-12.
- Sherrod, B. L., A. R. Nelson, et al. (2003). "The Catfish Lake scarp: preliminary field data and implications for earthquake hazards posed by the Tacoma fault." U. S. Geological Survey Open-File Report **03-0455**: 11 p.
- Shuman, B. and J. P. Donnelly (2006). "The influence of seasonal precipitation and temperature regimes on lake levels in the northeastern United States during the Holocene." Quaternary Research **65**: 44-56.
- Slater, G. F., J. Lippmann-Pipke, et al. (2006). "14C methane and DIC in the deep terrestrial subsurface: implications for microbial methanogenesis." Geomicrobiology Journal **23**: 453-462.
- Slater, G. F., R. K. Nelson, et al. (2006). "Characterizing biodegradation and microbial metabolic activity in situ using natural abundance, molecular-level 14C analysis." Organic Geochemistry **37**: 981-989.
- Slater, G. F., R. K. Nelson, et al. (2006). "Intrinsic bacterial biodegradation of petroleum contamination demonstrated *in situ* using natural abundance, molecular-level 14C analysis." Organic Geochemistry **37**: 981-989.
- Slater, G. F., H. K. White, et al. (2005). "Are bacteria actively degrading petroleum residues from the West Falmouth oil spill? New insights from 14C analysis of bacterial lipids." Environmental Science and Technology **39**: 2552-2558.
- Slater, G. F., H. K. White, et al. (2005). "Determination of microbial carbon sources in petroleum contaminated sediments using molecular 14C analysis." Environmental Science and Technology **39**: 2552-2558.
- Smittenberg, R. H., M. Baas, et al. (2005). "Pre- and post-industrial environmental changes as revealed by the biogeochemical sedimentary record of Drammensfjord, Norway." Marine Geology **214**: 177-200.
- Smittenberg, R. H., M. Baas, et al. (2005). "The demise of the alga *Botryococcus Braunii* from a Norwegian fjord is due to early eutrophication." The Holocene **15**: 133-140.
- Smittenberg, R. H., T. I. Eglinton, et al. (2006). "Ongoing build-up of refractory organic carbon in boreal soils during the Holocene." Science **314**: 1283-1286.
- Smittenberg, R. H., E. C. Hopmans, et al. (2004). "Compound-specific radiocarbon dating of the varved Holocene sedimentary record of Saanich Inlet, Canada." Paleoceanography **19**: 1-16.
- Smittenberg, R. H., E. C. Hopmans, et al. (2002). "Rapid isolation of biomarkers for compound specific radiocarbon dating using high-performance liquid chromatography and flow injection analysis - atmospheric pressure chemical ionisation mass spectrometry." Journal of Chromatography A **978**: 127-140.
- Sommerfield, C. K. (2006). "On sediment accumulation rates and stratigraphic completeness: Lessons from Holocene ocean margins." Continental Shelf Research **26**: 2225-2240.
- Sommerfield, C. K., A. S. AGston, et al. (2007). Oceanic dispersal and accumulation of river sediment. Continental-Margin Sedimentation: from Sediment Transport to Sequence Stratigraphy. C. A. Nittrouer, J. A. Austin, Jr., M. E. Field et al. Oxford, Blackwell Publishing Ltd. **IAS Special Publication**: 608.

- Sommerfield, C. K., D. E. Drake, et al. (2002). "Shelf record of climatic changes in flood magnitude and frequency, north-coastal California." Geology **30**(5): 395-398.
- Sommerfield, C. K. and H. J. Lee (2003). "Magnitude and variability of Holocene sediment accumulation in Santa Monica Bay, California." Marine Environmental Research **56**: 151-176.
- Sommerfield, C. K. and H. J. Lee (2004). "Across-shelf sediment transport since the Last Glacial Maximum, southern California margin." Geology **32**(4): 345-348.
- Stackhouse, B. L. and R. Lockwood (2007). "Distribution and sub-bottom features of Holocene oyster deposits in the York River, Virginia and the rate of degradations of oyster shell." Geological Society of America Abstracts with Programs **39**: 95.
- Stern, J., Y. Wang, et al. (2007). "Distribution and turnover of carbon in natural and constructed wetlands in the Florida Everglades." Applied Geochemistry **in press**.
- Stewart, R. E. A., S. E. Campana, et al. (2006). "Bomb radiocarbon dating calibrates beluga (*Delphinapterus leucas*) age estimates." Can. J. Zool. **84**: 1840-1852.
- Stott, L., K. Cannariato, et al. (2004). "Decline of surface temperature and salinity in the western tropical Pacific Ocean in the Holocene epoch." Nature **431**: 56-59.
- Stott, L. D., C. Poulsen, et al. (2002). "Super ENSO and global climate oscillations in millennial time scales." Science **297**: 222-226.
- Strelin, J. and G. Denton (2005). "The Puerto Bandera Moraines, Lago Argentino." Actas Del XVI Congreso Geologico Argentina, La Plata: 1-6.
- Strelin, J. and G. H. Denton (2006). "Las morenas de Punta Banderas, Lago Argentino." Proceedings of the XVI Congreso Geologico Argentino CD-ROM(269): 6 pp.
- Striegl, R. G., G. R. Aiken, et al. (2005). "A decrease in the discharge normalized DOC export by the Yukon River during summer through autumn." Geophysical Research Letters **32**.
- Striegl, R. G., M. M. Dornblaser, et al. (2007). "Carbon export and cycling by the York, Tanana and Porcupine Rivers, Alaska, 2001-2005." Water Resources Res. **43**.
- Sun, Y., D. W. Oppo, et al. (2005). "The last deglaciation in the Okinawa Trough: subtropical northwest Pacific link to northern and tropical climate." Paleoceanography **20**.
- Sweeney, C., E. Gloor, et al. (2007). "Constraining global air-sea gas exchange for CO<sub>2</sub> with recent bomb 14C measurements." Global Biogeochemical Cycles **21**.
- Takahashi, R., F. J. Millero, et al. (2006). Determination of carbon dioxide, hydrographic and chemical parameters during the R/V Nathaniel B. Palmer cruise in the southern Indian Ocean (WOCE section S041).
- Tanner, R. L., W. J. Parkhurst, et al. (2004). "14C Measurements." Aerosol Science & Technol **38**(S1): 133-139.
- Teuten, E. L., G. M. King, et al. (2006). "Natural 14C in *Saccoglossus kowalevskii* compared to its surrounding sediments." Marine Ecology Progress Series **324**: 167-172.
- Teuten, E. L., L. Xu, et al. (2005). "Two abundant bioaccumulated halogenated compounds are natural products." Science **307**(5711): 917-920.
- Thaler, B., E. Thomas, et al. (2004). "Benthic foraminifera in the changing ecosystem of Long Island Sound, abstract." EOS Trans. AGU **85**(17).
- Thomas, E., I. Abramson, et al. (2002). Eutrophication of Long Island Sound as traced by benthic foraminifera. Long Island Sound/NEERS Research Conference, Groton, CT.
- Thomas, E. and J. C. Varekamp (2002). Sea level rise in Long Island Sound over the last millennium. Long Island Sound/NEERS Research Conference

AGU Fall meeting, Groton, CT

San Francisco, CA.

Thomas, E. and J. C. Varekamp (2006). Environmental impact on LIS from the early colonial society. Long Island Sound Research Conference, Groton, CT.

Thomas, E., J. C. Varekamp, et al. (2004). "Eutrophication of western Long Island Sound." GSA Annual Meeting Abstracts **36**(6): 212-217.

Thomas, E., J. C. Varekamp, et al. (2006). Two ecological shifts in Long Island Sound during the industrial period. Long Island Sound Research Center, Groton, CT.

Thomas, E., J. C. Varekamp, et al. (2004). Anthropogenic influences on benthic foraminiferal faunas in Long Island Sound. 7th Biennial Long Island Sound research conference, Program and Abstracts.

Thomas, E., J. C. Varekamp, et al. (2004).

The urban sea: anthropogenic influences on benthic foraminifera in Long Island Sound. IGC 32, Florence, Italy.

Thomas, E., J. C. Varekamp, et al. (2005).

The American Mediterranean: the influence of human populations on the ecosystem of Long Island Sound. Living on the Edge.

Tierney, J. and J. M. Russell (2007). "Abrupt climate change in southeast tropical Africa influenced by Indian monsoon variability and ITCZ migration." Geophysical Research Letters **accepted**.

Toggweiler, J. R. and R. M. Key (2002). Ocean circulation: thermohaline circulation. Encyclopedia of Ocean Sciences. J. Steele, S. Thorpe and K. Turekian. London, Academic Press: 2941-2947.

Toledo, F. A. L. (2007). "Salinity changes in the western tropical South Atlantic during the last 30 kyr." Global and Planetary Change **57**: 383-395.

Toledo, F. A. L., M. Chachao, et al. (2007). "Planktonic foraminifera, calcareous nannoplankton and ascidian variations during the last 25 kyr in the Southwestern Atlantic: A paleoproductivity signature?" Marine Micropaleontology **64**: 67-79.

Townsend-Small, A., J. L. Noguera, et al. (2007). "Radiocarbon and stable isotope geochemistry of organic matter in the Amazon headwaters, Peruvian Andes." Global Biogeochemical Cycles **21**.

Tushingham, S. (2007). "Archaeological investigations in Jedediah Smith Campground and Hiouchi Flat." Redwood National and State Park I(Auger Testing).

Uchida, M., K. Ohkushi, et al. (2007). "Radiocarbon-based carbon source quantification of anomalous isotopic foraminifera in glacial sediments in the western North Pacific." Geochemistry, Geophysics, Geosystems **G3** **in press**.

Uchida, M., Y. Shibata, et al. (2004). "Episodic methane release events from Last Glacial marginal sediments in the western North Pacific." Geochemistry, Geophysics, Geosystems **G3** **5**(8): 1525-2027.

Uchikawa, J., B. N. Opoo, et al. (2006). "Direct application of compound-specific radiocarbon analysis of leaf waxes to establishment of lucustrine sediment chronology." Journal of Paleolimnology **in press**.

Urrego, D. H., M. R. Silman, et al. (2005). "The last glacial maximum: stability and change in an Andean cloud forest." Journal of Quaternary Science **20**: 693-701.

Ussiri, D. A. N. and L. Rattan (2007). "Method for determining coal carbon in the reclaimed minesoils contaminated with coal." Soil Science Society of America Journal **In press**.

Valentine, D. L., M. Kastner, et al. (2005). "Biogeochemical investigations of marine methane seeps, Hydrate Ridge, Oregon." J. Geophysical Research **110**(10.1029): 1-17.

van der Plicht, J., J. W. Beck, et al. (2004). "NotCal04-Comparison/Calibration 14 C records 26-50 cal kBP." Radiocarbon **46**: 1225-1238.

- van der Plicht, J., K. A. Hughen, et al. (2003). COMPARE04-Comparison/calibration of 14C records 26-50 ka. Abstracts, 18th International Radiocarbon Conf. Wellington, NZ.
- van Geen, A., Y. Zheng, et al. (2003). "1999 RV Melville Baja California cruise, on the preservation of laminated sediments along the western margin of North America." Paleoceanography **18**(4).
- van Geen, A., Y. Zheng, et al. (2003). "On the preservation of laminated sediments along the western margin of North America." Paleoceanography **18**(4).
- Varekamp, J. C. (2002). Mercury from hatting industry in Connecticut. Earth and Sky. USA.
- Varekamp, J. C. (2002). Mercury issues from old industries. Chicago, IL: second page.
- Varekamp, J. C. (2002). Mercury legacy from hatmaking in Danbury, CT. Hartford Courant. Hartford, CT: Frontpage.
- Varekamp, J. C. (2003). Muckrakers discover history in Long Island Sound. New York Times. New York, NY.
- Varekamp, J. C. (2004). Fate of mercury in Long Island Sound. Newsday Magazine.
- Varekamp, J. C. (2004). Mercury contamination in wetlands. Meeting of the Atlantic Chapter of the Soc. of Env. Toxicology and Health, Rhode Island.
- Varekamp, J. C. (2006). "The historical fur trade and climate change." EOS **87**(52).
- Varekamp, J. C. (2006). Mercury contamination in Long Island Sounds, USA, from the historic hat-making industry. ISEG7 meeting, Beijing, China.
- Varekamp, J. C., M. A. Altabet, et al. (2006). Mechanism of 15N enrichment in eutrophication-impacted estuaries. ASLO Ocean Sciences meeting, Honolulu, HI.
- Varekamp, J. C. and M. R. Buchholtz ten Brink (2002). Mercury in Connecticut and Long Island Sound sediment. Long Island Sound/NEERS Research Conference, Groton, CT.
- Varekamp, J. C., B. Kreulen, et al. (2003). "Mercury contamination chronologies from Connecticut wetlands and Long Island Sound sediments." Environmental Geology **43**(268-282).
- Varekamp, J. C., F. Lugolobi, et al. (2004). "The eutrophication of Long Island Sound, abstract." EOS Trans. AGU **85**(17).
- Varekamp, J. C., E. L. Mccray, et al. (2005). Once spilled, still found: metal contamination in Connecticut wetlands and Long Island Sound sediment from historic industries, Chapter 9. Our Changing Coasts. W. Visiglione, E. Elgar 122-147.
- Varekamp, J. C. and E. Thomas (2005). The early geological history of Long Island Sound. AGU Fall meeting, San Francisco, CA.
- Varekamp, J. C. and E. Thomas (2005). The environmental history of Long Island Sound with evidence for human impacts. Living on the Edge Symposium.
- Varekamp, J. C. and E. Thomas (2006). The early history of Long Island Sound. The last deglaciation, Lamont Doherty Earth Observatory, Columbia Univ., NY.
- Varekamp, J. C. and E. Thomas (2006). Long Island Sound - a human dominated estuary. AGU spring meeting, 2006, Baltimore, MD.
- Varekamp, J. C., E. Thomas, et al. (2003). The paleo environmental history of Long Island Sound, Abstract. Long Island Sound Lobster Research meeting, Groton, CT.
- Varekamp, J. C., E. Thomas, et al. (2004). The early history of Long Island Sound. 7th Biennial Long Island Sound research conference, Program/Abstracts.
- Varekamp, J. C., E. Thomas, et al. (2006). The late Pleistocene-Holocene history of Long Island Sound. LISRC proceedings.
- Varekamp, J. C., E. Thomas, et al. (2006). The formation history of Long Island Sound. Long Island Sound Research

Conference, Groton, CT.

Varekamp, J. C., E. Thomas, et al. (2002). Paleoenvironmental history of Long Island Sound. Long Island Sound/NEERS Research Conference

AGU Fall Meeting, Groton, CT

San Francisco, CA.

Varekamp, J. C., E. Thomas, et al. (2004).

The paleo-environmental history of Long Island Sound as traced by organic carbon, biogenic silica and stable isotope/trace element studies in sediment cores. 6th Biennial LIS Res. Conf. Proc.

Varekamp, J. C., E. Thomas, et al. (2002). The historical record of water quality in Long Island Sound. Long Island Sound workshop, Groton, CT, Batelle Laboratories.

Varekamp, T. E. and J. C. Avener (2006). Multiproxy records of eutrophication in Long Island Sound. GSA Annual Meeting, Philadelphia, PA.

Vellanoweth, R. L., T. C. Rick, et al. (2006). "A 6,000 year old red abalone midden from Otter Point, San Miguel Island, California." North American Archaeologist **27**: 69-90.

Verity, P. G., J. E. Bauer, et al. (2002). "The Ocean Margins Program: an interdisciplinary study of carbon sources, transformation and sinks in a temperate continental margin system." Deep-Sea Research II **49**: 4273-4295.

Vizcaino, A., E. Gracia, et al. (2006). "Sedimentology, physical properties and age of mass transport deposits associated with the Marques de Pombal Fault, Southwest Portuguese Margin." Norwegian Journal of Geology **86**: 177-186.

von Reden, K., J. Donoghue, et al. (2004). "Plans for expanded 14C analyses at the NOSAMS facility - a status and progress report." Nucl. Inst. & Meth. in Physics Research B.(223-224).

von Reden, K., M. Roberts, et al. (2007). "Searching for a suitable gas ion source for C-14 accelerator mass spectrometry." Preceeding of PNNIB-11 (9/2006) A.I.P. Preceedings Series(in press).

von Reden, K., M. Zhang, et al. (2007). "Carbon nanotube foils for electron stripping in tandem accelerators." Nucl. Inst. & Meth. in Physics Research B. **in press**.

Voorhies, B. and D. J. Kennett (2007). "El Periodo arcaico de la costa Pacifica en el Sur de Mexico: Una comparacion entre Guerrero y Chiapas. II Mesa Redonda: El Conocimiento Anthropoligico e Historico-Culturales: Su problemas e interacciones." Coordinacion Nacional de Antropologia, Grupo Multidisciplinario de Estudios sobre Guerrero, Taxco. **in press**.

Voorhies, B., D. J. Kennett, et al. (2002). "A middle archaic archaeological site on the Est Coast of Mexico." Latin American Antiquity **13**(2): 179-200.

Wakeham, S. G., A. P. McNichol, et al. (2006). "Natural abundance radiocarbon as a tracer of assimilation of petroleum carbon by bacteria in salt marsh sediments." Geochim. Cosmochim. Acta **70**: 1761-1771.

Wang, X.-C., A. M. Altabet, et al. (2004). "Stable carbon and nitrogen isotopic compositions of organic compound classes in high molecular weight dissolved organic matter from four U. S. estuaries." Geochimica et Cosmochimica Acta **68**: 2681-2691.

Wang, X.-C., J. Challahan, et al. (2006). "Variability in radiocarbon ages of biochemical compound classes of high molecular dissolved organic matter in estuaries." Estuarine, Coastal and Shelf Science **68**: 188-194.

Wang, X.-C., M.-Y. Sun, et al. (2007). "Preservation of black carbon in the East China Sea shelf sediments." Chinese Science Bulletin **in press**.

Wang, Y. and Y. P. Hsieh (2002). "Uncertainties and novel prospects in the study of the soil carbon dynamics." Chemosphere **49**: 791-804.

Wang, Y., Y. P. Hsieh, et al. (2002). "Carbon isotopic evidence for the source and fate of dissolved organic matter in Florida Everglades." Biogeochemistry **61**: 269-289.

- Wang, Y., Y. P. Hsieh, et al. (2002). "Chemical and carbon isotopic evidence for the source and fate of dissolved organic matter in the northern Everglades." Biogeochemistry **61**: 269-289.
- Webb, M. (2007). Carbon, chlorine, and oxygen isotopes as tracers of interbasin groundwater flow at La Selva Biological Station, Costa Rica. Marine, Earth, and Atmospheric Sciences. Raleigh, NC, North Carolina State University: 112.
- Weber, R. J., A. P. Sullivan, et al. (2007). "A study of secondary organic aerosol formation in the anthropogenic-influenced southeastern USA." J. Geophys. Res. **in press**.
- Weng, C., M. B. Bush, et al. (2006). "Deglaciation and Holocene climate change in the western Peruvian Andes." Quaternary Research **66**: 87-96.
- Wetter, L., K. Verosub, et al. (2007). "Detection of silica-mediated dissolution of magnetic grains in sediments using FORC diagrams." Geophysical Research Letters **in press**.
- White, H. K., C. M. Reddy, et al. (2005). "Isotopic constraints on the provenance of petroleum residues in salt marsh sediments." Environmental Science and Technology **39**: 2545-2551.
- White, H. K., C. M. Reddy, et al. (2007). "Relationships between carbon isotopic composition and mode of association of natural organic matter in marine sediments." Organic Geochemistry **in press**.
- Willard, D. A., C. E. Bernhardt, et al. (2005). "Impact of millennial-scale Holocene climate variability on eastern North American terrestrial ecosystems: pollen-based climatic reconstruction." Global and Planetary Change **47**: 17-35.
- Willard, D. A., T. M. Cronin, et al. (2003). "Late-Holocene climate and ecosystem history from Chesapeake Bay sediment cores, USA." The Holocene **13**(2): 201-214.
- William, H. F. L., I. Hutchinson, et al. (2005). "Multiple sources for late Holocene tsunamis at Discovery Bay, Washington State, USA." The Holocene **15**: 60-73.
- Williams, H. F. L., I. Hutchinson, et al. (2005). "Multiple sources for late-Holocene tsunamis at Discovery Bay, Washington State, USA." The Holocene **15**(1): 60-73.
- Winterhalder, B. and D. J. Kennett (2006). Behavioral ecology and the transition from hunting and gathering to Agriculture. Behavioral Ecology and the Transition to Agriculture. D. J. Kennett and B. Winterhalder. Berkeley, CA, University of California Press.
- Wolff, C. B. (2006). "Recent investigations of maritime archaic structures at White Point, Northern Labrador." Provincial Archaeology Office of Newfoundland and Labrador Archaeological Review **online**: 1-16.
- Wooller, M. J. and e. al (2007). "A multi-proxy peat record of Holocene mangrove paleoecology from Twin Cays, Belize." Holocene **in press**.
- Wooller, M. J., M. Fogel, et al. (2004). "Mangrove ecosystem dynamics and elemental cycling at Twin Cays, Belize, during the Holocene." Journal of Quaternary Science **19**(7): 703-711.
- Wooller, M. J., G. Zazula, et al. (2007). "A survey of the stable isotope (C and N) composition of eastern Beringian grasses and sedges: investing their potential as indicators of past environmental conditions." Arctic, Antarctic and Alpine Research **in press**.
- Wozniak, A. S., J. E. Bauer, et al. (2006). Atmospheric fossil sources of river and estuarine organic carbon transported to the coastal ocean. Ocean Sciences Meeting. Honolulu, HI.
- Wozniak, A. W., J. E. Bauer, et al. (2007). Deposition and reactivity of aerosol-derived organic carbon in temperate watersheds. ASLO Aquatic Sciences Meeting. Santa Fe, NM.
- Xiang, R., Y. Sun, et al. (2007). "Paleoenvironmental change in the middle Okinawa Trough since the last deglaciation: Evidence from the sedimentation rate and planktonic foraminiferal record." Palaeogeography, Palaeoclimatology, Palaeoecology **243**: 378-393.
- Xiao, S., L. Anchun, et al. (2005). "Recent 2000-year geological records of mud in the inner shelf of the East China Sea and

their climatic implications." Chinese Science Bulletin **50**(5): 466-471.

Xiao, S., A. Li, et al. (2006). "Coherence between solar activity and the East Asian winter monsoon variability in the past 8000 years from Yangtze River-derived mud in the East China Sea." Paleogeography, Paleoclimatology, Palaeoecology **237**(2-4): 293-304.

Xiao, S. B., M. H. Chen, et al. (2006). "New evidence for remnant deposits recorded by columnar sediments in the shelf of the northern South China Sea." Marine Geology & Quaternary Geology **26**(3): 1-5.

Xiao, S. B., F. Jiang, et al. (2005). "Geochemical characteristics of recent 2 ka mud on the inner shelf of the East China Sea." Geochim. Cosmochim. Acta **34**(6): 595-604.

Xiao, S. B., A. C. Li, et al. (2005). "Recent 8 ka mud records of the East Asian Winter Monsoon from the inner shelf of the East China Sea." Earth Science Journal of China University of Geosciences **30**(5): 573-581.

Xiao, S. B., A. C. Li, et al. (2005). "Provenance analysis of mud along the Min-zhe coast since 2 ka BP." Acta Sedimentologica Sinica **23**(22): 268-274.

Yang, F., K. He, et al. (2005). "One-year record of organic and elemental carbon in fine particles in downtown Beijing and Shanghai." Atmospheric Chemistry and Physics **5**: 1449-1457.

Yang, Z. S. and J. P. Liu (2007). "A unique Yellow River derived distal subaqueous delta in the Yellow Sea." Marine Geology **240**(1-4): 169-176.

Zdenek, Z., C. M. Reddy, et al. (2007). "Evaluation of gas chromatographic isotope fractionation and process contamination by carbon in compound-specific radiocarbon analysis." Analytical Chemistry **79**: 2042-2049.

Zencak, Z., J. Klanova, et al. (2007). "Source apportionment of atmospheric PAHs in the eastern Balkans by natural abundance radiocarbon analysis." Environmental Science and Technology **41**(11): 3850-3855.

Zencak, Z., C. M. Reddy, et al. (2007). "Evaluation of gas chromatographic isotope fractionation and process contamination by carbon in compound-specific radiocarbon analysis." Analytical Chemistry **79**: 2042-2049.

Zhang, Z., P. Metzger, et al. (2007). "Biomarker evidence for the co-occurrence of three races (A, B and L) of *Botryococcus braunii* in El Junco Lake, Galapagos." Organic Geochemistry **in press**.

Zheng, Y., R. F. Anderson, et al. (2002). "Challenges in radiocarbon dating organic carbon in opal-rich marine sediments." Radiocarbon **44**(1): 123-136.

Zheng, Y., A. van Geen, et al. (2005). "Geochemical and hydrogeological contrasts between shallow and deeper aquifers in two villages of Araihaazar, Bangladesh: Implications for deeper aquifers as drinking water sources." Geochimica et Cosmochimica Acta **69**(22): 5203-5218.

Zuniga, D., J. Garcia-Orellana, et al. (2007). "Late Holocene fine-grained sediments of the Balearic Abyssal Plain, Western Mediterranean Sea." Marine Geology **237**: 25-36.