

Publications

2012

- (138) Mateo, I, Durbin, E. G., Bengtson, D.A., Kingsley, R., **Swart, P.K.** and Durant, D. Spatial and Temporal Variation in Otolith Chemistry for Tautog (*Tautoga onitis*) along the US Northeast Coast, *Northeastern Naturalist*, 19:201-216.
- (137) Oehlert, A. Devlin, Q., Mackenzie, G.J., Lamb-Wozniak, K., **Swart, P.K.**, The Stable Carbon Isotopic Composition of Organic Material in Platform Derived Sediments: Implications for Reconstructing the Global Carbon Cycle, *Sedimentology*, 59, 319-335.
- (136) **Swart, P.K.** Coral Canaries of the sea, *Trees of the Ocean* (Nature Education) (In Press)
- (135) **Swart, P.K.** and Kennedy, M.J. Does the Global Stratigraphic Reproducibility of $\delta^{13}\text{C}$ in Neoproterozoic Carbonates Require a Marine Origin? A Plio-Pleistocene Comparison, *Geology*, 40: 87-90.
- (134) Lamb-Wozniak, K., **Swart, P.K.** and Altabet, M. Nitrogen and Carbon Isotopic Systematics of the Florida Reef Tract, *Bull Mar Sci*, 1: 119-146.

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- (133) Giebel, B.M., **Swart, P.K.**, and Riemer, D.D., New Insights to the Use of Ethanol in Automotive Fuels: A Stable Isotopic Tracer for Fossil- and Bio-Fuel Combustion Inputs to the Atmosphere: *Environmental Science & Technology*, v. 45, p. 6661-6669.
- (132) Oikawa, P.Y., Giebel, B., Sternberg, L.S.L., Li, L., Timko, M.P., **Swart, P.K.**, Riemer, D.D., Mak, J.E., Lerda, M.T. Leaf and root pectin methylesterase activity and $^{13}\text{C}/^{12}\text{C}$ stable isotopic ratio measurements of methanol emissions give insight into methanol production in *Lycopersicon esculentum*, *New Phytologist*,
- (131) Helmle, K., Dodge, R.E., **Swart, P.K.**, Eakin, M., and Gledhill, D. Growth rates of Florida corals from 1937 to 1996 and their relationship to climate change *Nature Communications*, 2, 215.

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- (130) Giebel, B. M., **P. K. Swart**, and D. D. Riemer. $\delta^{13}\text{C}$ stable isotope analysis of atmospheric oxygenated volatile organic compounds by gas chromatography-isotope ratio mass spectrometry. *Anal. Chem.* 82: 6797-6806.
- (129) Matteo, I, Durbin, E.G., Appeldorn, R., Adams, A., Juanes, F., Kingsley, R., **Swart, P.K.**, The role of mangroves as nurseries for French grunt *Haemulon flavolineatum* and schoolmaster *Lutjanus apodus* assessed by otolith elemental fingerprints, *Marine Ecology Progress Series*, doi: 10.3354/meps08445.
- (128) Matteo, I, Durbin, E.G., Bengtson, D.A., Kingsley, R., **Swart, P.K.**, Durant, D., Spatial and temporal variation in otolith chemistry of tautog (*Tautoga onitis*), *Fisheries Bulletin*, 108; 155-161.

(127) **Swart, P.K.**, Greer, L., Rosenheim, B.E., Moses, C., Winter, A., Helmle, K., and Dodge, R.E. ^{13}C Suess effect in scleractinian corals mirror changes in the anthropogenic CO_2 inventory of the surface oceans, *Geophysical Res. Letts.*

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(126) **Swart, P.K.**, Reijmer, J.J.G., Otto, R., Geochemical Facies of Great Bahama Bank, Perspective in Carbonate Geology: A Tribute to the Career of Robert Nathan Ginsburg, IAS Special Publication 41 (**Swart, P.K.**, Eberli, G.P, McKenzie, J Ed), 41: 47-60.

(125) Reijmer J.J., **Swart P.K.**, Roth S., Bauch T., Zechel S., Otto, R. A reevaluation of facies variations on Great Bahama Bank. In: **Swart PK**, Eberli GP, McKenzie JA (eds) Perspectives in Carbonate Geology: A Tribute to the Career of Robert Nathan Ginsburg, IAS Special Publication 41. Blackwell, Oxford, 41: 29-46.

(124) Gischler, E. **Swart, P.K.**, Lomando, A. Stable isotopes of carbon and oxygen in modern sediments of carbonate platforms, barrier reefs, atolls, and ramps: patterns and implications, Perspective in Carbonate Geology: A Tribute to the Career of Robert Nathan Ginsburg, IAS Special Publication 41 (**Swart, P.K.**, Eberli, G.P, McKenzie, J. Ed), 41:61-74.

(123) Rosenheim, R.E, **Swart, P.K.** and Willenz, P. Calibration of sclerosponges oxygen isotope records to temperature using high-resolution data, *Geochimica et Cosmochimica Acta*, 17, 5308-5319.

(122) Stalker, J., Price, R.M., and **Swart, P.K.** Determining Spatial and Temporal Inputs of Freshwater, Including Groundwater Discharge, to a Sub-tropical Estuary using Geochemical Tracers, Biscayne Bay, South Florida, *Estuaries*, DOI 10.1007/s12237-009-9155-y

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(120) Price, R.M., **Swart, P.K.** and Willoughby H.E. , Seasonal and spatial variation in the stable isotopic composition (d^{18}O and dD) of precipitation in south Florida, *Journal of Hydrology*, 358, 193-205.

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(117) Lamb, K. and **Swart, P.K.** The carbon and nitrogen isotopic values of particulate organic material from the Florida Keys: a temporal and spatial study, *Coral Reefs*, 27:351-362.

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(114) Rosenheim, B.E., **Swart, P.K.**, Eisenhauer, A. Constraining initial ^{230}Th activity in Incrementally Deposited Biogenic Aragonite from the Bahamas, *Geochimica et Cosmochimica Acta*, 71, 4025-4035.

(113) Price, R.M., Nuttle, W. and **Swart, P.K.** Variation in evaporation from a subtropical estuary: Florida Bay, *Estuaries*, 30, 1-10.

(112) Rosenheim, B.E. and **Swart, P.K.** Caribbean sclerosponge radiocarbon measurements re-interpreted in terms of U/Th age models, *Nuclear Instruments and Methods B*, 259, 274-278.