

- Horwitz, R. M., A. E. Hay, **W. J. Burt**, R. Cheel, J. Salisbury, and H. Thomas (2019). High-frequency variability of CO₂ in Grand Passage, Bay of Fundy, Nova Scotia, *Biogeosciences*, 16, 605-615.
- Miller, L. A., T. Burgers, **W. J. Burt**, M. A. Granskog, and T. Papakyriakou (2019). Air-Sea CO₂ Flux Estimates in Stratified Arctic Coastal Waters: How Wrong Can We Be? *Geophysical Research Letters*, 46, 235-243.
- Burt, W. J.**, and P. D. Tortell (2018). Observations of Zooplankton Diel Vertical Migration from High-Resolution Surface Ocean Optical Measurements. *Geophysical Research Letters*, 45, 13396-13404.
- Zeng, C., S. Rosengard, **W. J. Burt**, A. Pena, N. Nemcek, T. Zeng, K. Arrigo, and P. D. Tortell (2018). Optically-derived estimates of phytoplankton size class and taxonomic group biomass in the Eastern Subarctic Pacific Ocean. *Deep-Sea Research I*, 136, 107-118.
- Lemay, J., H. Thomas, S. E. Craig, **W. J. Burt**, K. Fennel, and B. J. W. Greenan (2018). Hurricane Arthur and its effect on the short-term variability of pCO₂ on the Scotian Shelf, NW Atlantic. *Biogeosciences*, 15, 2111-2123.
- Burt, W. J.**, T. K. Westberry, M. J. Behrenfeld, C. Zeng, R. W. Izett, and P. D. Tortell, (2018). Carbon : Chlorophyll ratios and net primary productivity of Subarctic Pacific surface waters derived from autonomous shipboard sensors. *Global Biogeochemical Cycles*, 32, 267-288.
- Burt, W. J.**, H. Thomas, L. A. Miller, M. A. Granskog, T. N. Papakyriakou, and L. Pengelly (2016). Inorganic Carbon Cycling and Biogeochemical Processes in an Arctic Inland Sea (Hudson Bay). *Biogeosciences*, 13, 4659-4671.
- Burt, W. J.**, H. Thomas, M. Hagens, J. Pätsch, N. M. Clargo, L. A. Salt, V. Winde, and M. E. Böttcher (2016). Carbon sources in the North Sea evaluated by means of radium and stable carbon isotope tracers. *Limnology and Oceanography*, 61, 666-683.
- Burt, W. J.**, H. Thomas, J. Pätsch, A. M. Omar, C. Schrum, U. Daewel, H. Brenner, H. J. W. de Baar (2014). Radium isotopes as a tracer of sediment-water column exchange in the North Sea. *Global Biogeochemical Cycles*, 28, 786-804..
- Burt, W. J.**, H. Thomas, and J.-P. Auclair (2013), Short-lived radium isotopes on the Scotian Shelf: Unique distributions and tracers of cross-shelf CO₂ and nutrient transport, *Marine Chemistry*, 156, 120-129.
- Burt, W. J.**, H. Thomas, K. Fennel, and E. Horne (2013). Sediment-water column fluxes of carbon, oxygen and nutrients in Bedford Basin, Nova Scotia, inferred from ²²⁴Ra measurements. *Biogeosciences*, 10, 53-66.