

PUBLICATIONS

1 January–31 December 2012

- Alin, S. R., R. A. Feely, A. Dickson, J. M. Hernandez-Ayon, L. W. Juranek, M.D. Ohman and R. Goericke. 2012. Robust empirical relationships for estimating pH and carbonate saturation states in the southern California Current System. *J. Geophysical Research-Oceans* 117, art. No. CO5033, DOI: 10.1029/2011JC007511.
- Allen, L. Z., E. E. Allen, J. H. Badger, J. P. McCrow, I. T. Paulsen, L. D. H. Elbourne, M. Thiagarajan, D. B. Rusch, K. H. Neilson and S. J. Williamson. 2012. Influence of nutrients and currents on the genomic composition of microbes across an upwelling mosaic. *The ISME Journal*.
- Bargu, S., M. W. Silver, M. D. Ohman, C. R. Benitez-Nelson, and D. L. Garrison. 2012. Mystery Behind Hitchcock's Birds. *Nature Geosciences* 5 (1): 2–3.
- Chenillat, F., P. Rivière, X. Capet, E. Di Lorenzo and B. Blanke. 2012. North Pacific Gyre Oscillation modulates seasonal timing and ecosystem functioning in the California Current upwelling system. *Geophysical Research Letters* 39(1): L01606.
- Deutsch, C. and T. Weber. 2012. Nutrient ratios as a tracer and driver of ocean biogeochemistry. *Annual Review of Marine Science* 4(1):113–141.
- Dickey-Collas, M., S. Somarakis, P. R. Witthames, C. J. G. van Damme, A. Uriarte, N. C. H. Lo and M. Bernal. 2012. Where do egg production methods for estimating fish biomass go from here? *Fisheries Research* 117–118: 6–11.
- Dong, C., X. Lin, Y. Liu, F. Nencioli, Y. Chao, Y. Guan, D. Chen, T. Dickey and J. C. McWilliams. 2012. Three-dimensional oceanic eddy analysis in the Southern California Bight from a numerical product. *Journal of Geophysical Research C. Oceans* 117(COO) (np).
- Gleason, L. U. and R. S. Burton. 2012. High-throughput molecular identification of fish eggs using multiplex suspension bead arrays. *Molecular Ecology Resources* 12(1): 57–66.
- Kahru, M., E. Di Lorenzo, M. Manzano-Sarabia and B. G. Mitchell. 2012a. Spatial and temporal statistics of sea surface temperature and chlorophyll fronts in the California Current. *J. of Plankton Research* 34(9): 749–760.
- Kahru, M., R. M. Kudela, M. Manzano-Sarabia and B. G. Mitchell. 2012b. Trends in the surface chlorophyll of the California Current: Merging data from multiple ocean color satellites. *Deep-Sea Research II* 77–80: 89–98.
- Koslow, J. A., L. Rogers-Bennett and D. Neilson. 2012. A time series of California spiny lobster (*Panulirus interruptus*) phyllosoma from 1951 to 2008 links abundance to warm oceanographic conditions in southern California. *CalCOFI Reports* 53: 132–139.
- Landry, M. R., M. D. Ohman, R. Goericke, M. R. Stukel, K. Barbeau, R. Dundy and M. Kahru. 2012. Pelagic community responses to a deep-water front in the California Current Ecosystem: Overview of the A-Front Study. *J. of Plankton Research* 34(9): 739–748.
- Lapota, D. 2012. Seasonal Changes of Bioluminescence in Photosynthetic and Heterotrophic Dinoflagellates at San Clemente Island. *Bioluminescence—Recent Advances in Oceanic Measurements and Laboratory Applications*. In Tech: 27–46.
- Lindseth, B. and K. Baker. 2012. Collaborative design of an oceanographic event logger. *Proceedings of the ACM 2012 conference on Computer Supported Cooperative Work*. Seattle, Washington, USA, ACM, pp. 1195–1198.
- Macías, D., P. J. S. Franks, M. D. Ohman and M. R. Landry. 2012a. Modeling the effects of coastal wind- and wind-stress curl-driven upwellings on plankton dynamics in the Southern California current system. *Journal of Marine Systems* 94: 107–119.
- Macías, D., M. R. Landry, A. Gershunov, A. J. Miller and P. S. Franks. 2012. Climatic Control of Upwelling Variability along the Western North-American Coast. *PLoS ONE* 7(1): e30436.
- Ohman, M. D., G. H. Rau and P. M. Hull. 2012. Multi-decadal variations in stable N isotopes of California Current zooplankton. *Deep Sea Res. I-Oceanogr. Res. Pap.* 60:46–55.
- Ohman, M. D. 2012. Estimation of Mortality for Stage-Structured Zooplankton Populations: What Is to Be Done? *Journal of Marine Systems* 93: 4–10.
- Pierce, S. D., J. A. Barth, R. Kipp Shearman and A. Y. Erofeev. 2012. Declining oxygen in the Northeast Pacific. *Journal of Physical Oceanography*.
- Send, U. and S. Nam. 2012. Relaxation from upwelling: The effect on dissolved oxygen on the continental shelf. *Journal of Geophysical Research: Oceans* 117(C4): C04024.
- Song, H., A. J. Miller, S. McClatchie, E. D. Weber, K. M. Nieto and D. M. Checkley Jr. 2012. Application of a data-assimilation model to variability of Pacific sardine spawning and survivor habitats with ENSO in the California Current System. *Journal of Geophysical Research* 117: C03009, doi:10.1029/2011JC007302.
- Stukel, M. R., M. R. Landry, M. D. Ohman, R. Goericke, T. Samo and C. R. Benitez-Nelson. 2012. Do inverse ecosystem models accurately reconstruct plankton trophic flows? Comparing two solution methods using field data from the California Current. *Journal of Marine Systems* 91: 20–33.
- Sugihara, G., R. May, H. Ye, C. Hsieh, E. Deyle, M. Fogarty and S. Munch. 2012. Detecting Causality in Complex Ecosystems. *Science* 338(6106): 496–500.
- Suntsov, A., J. A. Koslow and W. Watson. 2012. The spatial structure of coastal ichthyoplankton assemblages off central and southern California. *California Cooperative Oceanic Fisheries Investigations Reports* 53: 153–170.
- Suryan, R. M., J. A. Santora and W. J. Sydeman. 2012. New approach for using remotely-sensed chlorophyll a to identify seabird hotspots. *Marine Ecology Progress Series* 451: 213–225.
- Sydeman, W. J., S. A. Thompson and A. Kitaysky. 2012. Seabirds and climate change: roadmap for the future. *Marine Ecology Progress Series* 454: 107–117.
- Thompson, A. R., W. Watson and S. McClatchie. 2012. Multi-scale sampling to evaluate assemblage dynamics in an oceanic marine reserve. *PLoS One* 7(3): art. No. e33131.
- Ting-Chun Kuo, Janet Nye, Franz Mueter, Nicholas K. Dulvy, and C. Hsieh. 2012. Environmental sensitivity of latitudinal shifts in marine fishes depends on latitude and fishing effects. *Ocean Sciences meeting*, Salt Lake City.
- Wong, S. H. C., A. E. Santoro, N. J. Nidzieko, J. L. Hench and A. B. Boehm. 2012. Coupled physical, chemical, and microbiological measurements suggest a connection between internal waves and surf zone water quality in the Southern California Bight. *Continental Shelf Research* 34(0): 64–78.
- Zwolinski, J. P. and D. A. Demer. 2012. A cold oceanographic regime with high exploitation rates in the Northeast Pacific forecasts a collapse of the sardine stock. *Proceedings of the National Academy of Sciences*.