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Education and Training

1979 Admiral Makarov State Maritime Academy, St. Petersburg, Russia, Physical Oceanography, MS

Research and Professional Experience

- 1993-Present Research Staff/Ocean Data Analyst, Carbon Dioxide Information Analysis Center (CDIAC), Environmental Sciences Division, Oak Ridge National Laboratory (ORNL), Oak Ridge, TN. Research Scientist, Energy, Environment, and Resources Center, University of Tennessee-Knoxville and ORNL/CDIAC.
- 1979-1991 Scientist/Oceanographer/Senior Scientist/Oceanographic Group Leader, Oceanography Department, Sakhalin Administration of Hydrometeorological Service, Sakhalin Island, Russia.

Publications

1. Key, R.M., T. Tanhua, A. Olsen, M. Hoppema, S. Jutterström, C. Schirnick, S. van Heuven, A. Kozyr, X. Lin, A. Velo, D. Wallace and L. Mintrop. 2010. The CARINA data synthesis project: Introduction and overview. *Earth System Science Data*, 2, 105-121, doi:10.5194/essd-2-105-2010, 2010.
2. Tanhua, R. R. Steinfeldt, R. Brown, N. Gruber, R. Wanninkhof, F. Perez, A. Kötzinger, A. Velo, U. Schuster, S. van Heuven, D. Peirrot, J. Bullister, R.M. Key, I. Stendardo, M. Hoppema, A. Olsen, A. Kozyr, C. Schirnick and D.W.R. Wallace. 2009. Overview of the North Atlantic CARINA data and salinity. *Earth System Science Data*, 2, 17-34, doi:10.5194/essd-2-17-2010, 2010.
3. Olsen, A. R.M. Key, E. Jeansson, E. Falck, J. Olafsson, S. van Heuven, I. Skjelvan, A.M. Omar, K.A. Olsson, L.G. Anderson, S. Jutterström, F. Rey, T. Johannessen, R.G.J. Bellerby, J. Blindheim, J. Bullister, B. Pfeil, X. Lin, A. Kozyr, C. Schirnick, T. Tanhua and D.W.R. Wallace. 2009. Overview of the Nordic Seas CARINA data and salinity. *Earth System Science Data*. 1, 25-34, doi:10.5194/essd-1-25-2009, 2009.
4. Takahashi, T., S.C. Sutherland, and A. Kozyr. 2010. Global Ocean Surface Water Partial Pressure of CO₂ Database: Measurements Performed During 1957–2009 (Version 2009). ORNL/CDIAC-152, NDP-088(V2009). Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tennessee, doi: 10.3334/CDIAC/otg.ndp088(V2009).
5. Sabine, C.L., R. A. Feely, N. Gruber, R. M. Key, K. Lee, J. L. Bullister, R. Wanninkhof, C. S. Wong, D. W. R. Wallace, B. Tilbrook, F. J. Millero, T.-H. Peng, A. Kozyr, T. Ono, A. F. Rios. 2004. The Oceanic Sink for Anthropogenic CO₂. *Science* 305(5682):367-371.
6. Key, R.M., A. Kozyr, C.L. Sabine, K. Lee, R. Wanninkhof, J. Bullister, R.A. Feely, F. Millero, C. Mordy, T.-H. Peng. 2004. A global ocean carbon climatology: Results from GLODAP. In press: *Global Biogeochemical Cycles*.
7. Lee, K., S.D. Choi, G.H. Park, R. Wanninkhof, T.-H. Peng, R.M. Key, C.L. Sabine, R.A. Feely, J.L. Bullister, F.J. Millero, and A. Kozyr. 2003. An updated anthropogenic CO₂ in the Atlantic Ocean, *Global Biogeochemical Cycles*, 17(4):1116.
8. Feely, R.A., C.L. Sabine, K. Lee, F.J. Millero, M.F. Lamb, D. Greeley, J.L. Bullister, R.M. Key, T.-H. Peng, A. Kozyr, T. Ono, and C.S. Wong 2002. In situ calcium carbonate dissolution in the Pacific Ocean. *Global Biogeochem. Cycles*, 16(4), 1144

9. Lamb, M.F., C.L. Sabine, R.A. Feely, R. Wanninkhof, R.M. Key, G.C. Johnson, F.J. Millero, K. Lee, T.-H. Peng, A. Kozyr, J.L. Bullister, D. Greeley, R.H. Byrne, D.W. Chipman, A.G. Dickson, C. Goyet, P.R. Guenther, M. Ishii, K.M. Johnson, C.D. Keeling, T. Ono, K. Shitashima, B. Tilbrook, T. Takahashi, D.W.R. Wallace, Y. Watanabe, C. Winn, and C.S. Wong. 2002 Consistency and synthesis of Pacific Ocean CO₂ survey data, *Deep-Sea Research II*, 49:21-58

Synergistic Activities

The Oceanography Society

Awards

1. Award of Excellence, Atlanta Chapter of the Society for Technical Communication in the 1997 Online Communications Competition. For contributing to the technical communication profession via the production of on-line publication (1998)
2. Technical Communication Award, East Tennessee Chapter of the Society for Technical Communications. In recognition of achievement in publications for technical reports.