

Peer-reviewed Publications

- Becker, M., N. Andersen, B. Fiedler, P. Fietzek, **A. Körtzinger**, T. Steinhoff, and G. Friedrichs (2012). Using Cavity Ringdown Spectroscopy for continuous monitoring of $\delta^{13}\text{C}(\text{CO}_2)$ and $f\text{CO}_2$ in the surface ocean. *Limnol. Oceanogr.: Methods*, submitted.
- Bittig, H.C., B. Fiedler, and **A. Körtzinger** (2012). A Novel Electrochemical Calibration Setup for Oxygen Sensors. *Limnol. Oceanogr.: Methods*, submitted.
- Melzner, F., J. Thomsen, W. Koeve, A. Oschlies, M. A. Gutowska, H.W. Bange, H.P. Hansen, and **A. Körtzinger** (2012). Future ocean acidification will be amplified by hypoxia in coastal habitats. *Mar. Biol.*, submitted.
- Schneider, A., T. Tanhua, **A. Körtzinger**, and D.W.R. Wallace (2012). An evaluation of tracer fields and anthropogenic carbon in the equatorial and the tropical North Atlantic, Deep-Sea Res. I, submitted.
- Stramma, L., E.D Prince, S. Schmidtko, J. Luo, J.P. Hoolihan, M. Visbeck, D.W.R. Wallace, P. Brandt, and **A. Körtzinger** (2012). Expansion of oxygen minimum zones may reduce available habitat for tropical pelagic fishes. *Nature Clim. Change* **2**, doi:10.1038/NCLIMATE1304.
- Thomsen, J., I. Casties, C. Pansch, **A. Körtzinger**, and F. Melzner (2012). Food availability outweighs ocean acidification effects in the mussel *Mytilus edulis*. *Nature Clim. Change*, submitted.
- Aßmann, S., C. Frank, and **A. Körtzinger** (2011). Spectrophotometric high-precision seawater pH determination for use in underway measuring systems. *Ocean Sci.* **7**, 597-607, doi:10.5194/os-7-2011.
- Zielinski, O., D. Voß, B. Saworski, B. Fiedler, and **A. Körtzinger** (2011). Computation of nitrate concentrations in turbid coastal waters using an in situ ultraviolet spectrophotometer. *J. Sea Res.* **65**, 456-460.
- Brandt, P., V. Hormann, **A. Körtzinger**, M. Visbeck, G. Krahnemann, L. Stramma, R. Lumpkin, and C. Schmid (2010). Changes in the ventilation of the oxygen minimum zone of the tropical North Atlantic. *J. Phys. Oceanogr.* **40**, 1784-1801.
- Claustre, H., D. Antoine, L. Boehme, E. Boss, F. D'Ortenzio, O.F. D'Andon, C. Guinet, N. Gruber, N.O. Handegard, M. Hood, K. Johnson, **A. Körtzinger**, R. Lampitt, P.-Y. LeTraon, C. LeQuéré, M. Lewis M.-J. Perry, T. Platt, D. Roemmich, S. Sathyendranath, U. Send, P. Testor, and J. Yoder (2010). "Guidelines Towards An Integrated Ocean Observation System For Ecosystems And Biogeochemical Cycles" in Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 1), Venice, Italy, 21-25 September 2009, Hall, J., Harrison, D.E. & Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.pp.14.
- Friedrichs, G., J. Bock, F. Temps, P. Fietzek, **A. Körtzinger**, and D.W.R. Wallace (2010). Towards continuous monitoring of seawater $^{13}\text{CO}_2/^{12}\text{CO}_2$ isotope ratio and $p\text{CO}_2$: Performance of cavity ringdown spectroscopy and gas matrix effects. *Limnol. Oceanogr.: Methods* **8**, 539-551.
- Gruber, N., S. Doney, S. Emerson, D. Gilbert, T. Kobayashi, **A. Körtzinger**, G. Johnson, K. Johnson, S. Riser, and O. Ulloa (2010). "Adding Oxygen to Argo: Developing a Global in-situ Observatory for Ocean Deoxygenation and Biogeochemistry" in Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, Hall, J., Harrison, D.E. & Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.39
- Gruber, N., **A. Körtzinger**, A. Borges, H. Claustre, S.C. Doney, R.A. Feely, M. Hood, M. Ishii, A. Kozyr, P. Monteiro, Y. Nojiri, C.L. Sabine, U. Schuster, D.W.R. Wallace, and R. Wanninkhof (2010). "Towards An Integrated Observing System For Ocean Carbon and Biogeochemistry At a Time of Change" in Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 1), Venice, Italy, 21-25 September 2009, Hall, J., Harrison, D.E. & Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.pp.18.

- Hood, M., M. Fukasawa, N. Gruber, G. Johnson, **A. Körtzinger**, C. Sabine, B. Sloyan, K. Stansfield, and T. Tanhua (2010). "Ship-based Repeat Hydrography: A Strategy for a Sustained Global Program." in *Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison, D.E. & Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.44.
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- Körtzinger, A.** (2010). Der globale Kohlenstoffkreislauf im Anthropozän – Betrachtung aus meereschemischer Perspektive, *Chemie in unserer Zeit* **44**, 118-129.
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- Schneider, A., T. Tanhua, **A. Körtzinger**, and D.W.R. Wallace (2010). High anthropogenic carbon content in the eastern Mediterranean. *Journal of Geophysical Research* **115**, C12050, doi:10.1029/2010JC006171.
- Send, U., S. Rintoul, G. Johnson, P. Burkill, R. O'Dor, H. Claustre, N. Gruber, **A. Körtzinger**, D. Roemmich, S. Wijffles, T. Koslow, and L. Talley (2010). "Towards an integrated observing system: in-situ observations" in *Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2)*, Venice, Italy, 21-25 September 2009, Hall, J., Harrison, D.E. & Stammer, D., Eds., ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.79.
- Steinhoff, T., T. Friedrich, S.E. Hartman, A. Oschlies, D.W.R. Wallace, and **A. Körtzinger** (2010). Estimating mixed layer nitrate in the North Atlantic Ocean. *Biogeosciences* **7**, 795–807.
- Tanhua, T., R. Steinfeldt, R.M. Key, P. Brown, N. Gruber, R. Wanninkhof, F. Pérez, **A. Körtzinger**, A. Velo, U. Schuster, S. van Heuven, J.L. Bullister, I. Stendardo, M. Hoppema, A. Olsen, A. Kozyr, D. Pierrot, C. Schirnack, and D.W.R. Wallace (2010). Atlantic Ocean CARINA data: overview and salinity adjustments. *Earth Syst. Sci. Data* **2**, 17-34.
- Thomsen, J., M.A. Gutowska, J. Saphörster, A. Heinemann, K. Trübenbach, J. Fietzke, C. Hiebenthal, A. Eisenhauer, **A. Körtzinger**, M. Wahl, and F. Melzner (2010). Calcifying invertebrates succeed in a naturally CO₂-rich coastal habitat but are threatened by high levels of future acidification. *Biogeosciences* **7**, 3879-389, doi:10.5194/bg-7-3879-2010.
- Johnson, K.S., W.M. Berelson, E.S. Boss, Z. Chase, H. Claustre, S.R. Emerson, N. Gruber, **A. Körtzinger**, M.J. Perry, and S.C. Riser (2009). Observing biogeochemical cycles at global scales with profiling floats and gliders: prospects for a global array, *Oceanography* **22**, 217-225.
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- Stendardo, I., N. Gruber, and **A. Körtzinger** (2009). CARINA oxygen data in the Atlantic Ocean. *Earth Syst. Sci. Data* **1**, 87-100.
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Other Publications

- Körtzinger, A.** (2011). Chemische Ozeanographie, in: *Abenteuer Weltmeere*, V. Dietrich, R. Erb, and W. Kleesattel (eds.), Cornelsen Verlag, Berlin, ISBN 978-3-06-010825-1, pp. 34-39.
- Körtzinger, A.** (2010). Dem CO₂ im Ozean auf der Spur. *Labor & more* **2**, 60-63.
- Lüger, H., R. Wanninkhof, A. Olsen, J. Triñanes, T. Johannessen, D.W.R. Wallace, and **A. Körtzinger** (2008). The sea-air CO₂ flux in the North Atlantic estimated from satellite and Argo profiling data, NOAA Technical Memorandum, OAR AOML-96, Atlantic Oceanographic and Meteorological Laboratory, Miami, Florida, 28 pp.
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- Körtzinger, A.**, L. Mintrop, and J.C. Duinker (1999). *The International Intercomparison Exercise of Underway $f\text{CO}_2$ Systems During the R/V Meteor Cruise 36/1 in the North Atlantic Ocean*, Report ORNL/CDIAC-114, Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA, 150 pp.
- Körtzinger, A.**, L. Mintrop, and J.C. Duinker (1996). The Floating Dripstone Cave: CO₂ Teams Compare Underway Systems. *U.S. JGOFS News* **7**, 14-15.
- Körtzinger, A.** (1995). Anthropogenes CO₂ im Nordatlantik – Methodische Entwicklungen und Messungen zur Quantifizierung des anthropogenen CO₂-Signals. Ph.D. thesis. *Ber. Inst. Meeresk. Univ. Kiel* **272**, 166 pp.

Duinker, J.C., **A. Körtzinger**, G.R.J. Phillips, and A.M. Sagalevitch (1994). Recovery of deep-sea moorings with *MIR* submersibles. *Sea Technology* **36**, 34-42.

Poster presentations

- Brandt, P., V. Hormann, **A. Körtzinger**, M. Visbeck, G. Krahnemann, L. Stramma, R. Lumpkin, and C. Schmid: 20.-26.2.2010 in Portland, Oregon/USA, 2010 Ocean Sciences Meeting: Changes in the ventilation of the oxygen minimum zone of the tropical North Atlantic (PO15C-15).
- Telszewski, M., Y. Nojiri, U. Schuster, D.C. Bakker, A.J. Watson, M. Gonzalez-Davila, T. Johannessen, **A. Körtzinger**, H. Lüger, A. Olsen, A. Omar, X.A. Padin, A.F. Rios, T. Steinhoff, M. Santana-Casiano, D. Wallace, and R.H. Wanninkhof: 20-26 Feb. 2010 in Portland, Oregon/USA, 2010 Ocean Sciences Meeting: Air-sea CO₂ flux in the North Atlantic and the North Pacific estimated by neural network (IT25A-07).
- Steinhoff, T., H. Bange, B. Fiedler, A. Freing, S. Gebhardt, and **A. Körtzinger**: 14-18 Sept. 2009 in Jena/Germany, 8th International Carbon Dioxide Conference: Separation of air-sea gas exchange and biological drawdown of CO₂ by a combined dataset of CO₂, N₂O and dissolved oxygen in the Mauritanian upwelling (T2-169).
- Steinhoff, T., B. Fiedler, P. Fietzek, M. Hoppema, **A. Körtzinger**, F., and H. Zemmeling: 14-18 Sept. 2009 in Jena/Germany, 8th International Carbon Dioxide Conference: Inter-comparison of pCO₂ instruments - classical versus new methods (T4-051).
- Fiedler, B., C. Kihm, and **A. Körtzinger**: 2-6 June 2008 in Las Palmas de Gran Canaria/Spain, International Symposium on Eastern Boundary Upwelling Ecosystems: A novel experimental approach for determining CO₂ and O₂ fluxes in the Tropical Eastern North Atlantic – Experimental setup and first tests.
- Körtzinger, A.**, U. Send, D.W.R. Wallace, J. Karstensen, and M. DeGrandpre: 3-6 March 2008 in Orlando, Florida/USA, Ocean Sciences Meeting, American Society for Limnology and Oceanography: The seasonal cycle of O₂ and pCO₂ in the central Labrador Sea: Atmospheric, biological and physical implications.
- Telszewski, M., A. Chazottes, U. Schuster, A.J. Watson, C. Moulin, D. Bakker, A. Olsen, T. Johannessen, A. Omar, A. Rios, F. Pérez, H. Lüger, **A. Körtzinger**, T. Steinhoff, D. Wallace, M. González-Dávila, M. Santana-Casiano, and R. Wanninkhof: 3-6 March 2008 in Orlando, Florida/USA, Ocean Sciences Meeting, American Society for Limnology and Oceanography: Sea surface pCO₂ and air-sea flux maps of the North Atlantic for 2004 to 2006 using neural networks.
- Larkin, K.E., S.E. Hartman, R.S. Lampitt, M.R. Pagnani, **A. Körtzinger**, A.J. Gooday, and D.S.M. Billett, 13-18 April 2008 in Vienna/Austria, European Geophysical Union General Assembly 2008: Biogeochemical time-series from the ocean interior to the seafloor at the Porcupine Abyssal Plain (PAP) Observatory (49°N, 16.5°W).
- Steinhoff, T. and **A. Körtzinger**: 12 April 2007 at IOC/UNESCO, Paris/France, Joint IOCCP, SOLAS, IMBER, GCP Workshop “Surface Ocean CO₂ Variability and Vulnerabilities (SOCOV)”: Measurements of the CO₂ partial pressure in the North Atlantic Ocean – Does the ΔpCO₂ change?
- Steinhoff, T. and **A. Körtzinger**: 4-8 Dec. 2006 in Maspalomas, GranCanaria/Spain, 2nd Annual CarboOcean Meeting: pCO₂ measurements in the North Atlantic Ocean – Does the ΔpCO₂ change?
- Tanhua, T., A. Biastoch, **A. Körtzinger**, H. Lüger, C. Böning, and D.W.R. Wallace: 20-24 Feb. 2006 in Honolulu, Hawaii/USA, Ocean Sciences Meeting 2006: Decadal Variations in Ocean Interior Circulation and Biogeochemistry: Results from the CLIVAR/CO₂ Repeat Hydrography Program.
- Funk, A., P. Brandt, and **A. Körtzinger**: 2-4 April 2006 in Vienna/Austria, European Geophysical Union General Assembly 2006: Labrador Sea eddy field from float trajectories.

- Körtzinger A.**, and T. Steinhoff: 2-4 April 2006 in Vienna/Austria, European Geophysical Union General Assembly 2006: Air-sea fluxes of CO₂ and O₂ associated with the Mauritanian Upwelling.
- Schneider, A., D.W.R. Wallace, T. Tanhua, **A. Körtzinger**, W. Roether, and B. Klein: 2-4 April 2006 in Vienna/Austria, European Geophysical Union General Assembly 2006: Alkalinity and anthropogenic carbon in the eastern Mediterranean Sea.
- Karstensen, J., M. Edwards, R.S. Lampitt, M.G. Villagarcia, **A. Körtzinger**, U. Send, and T. Müller: 6-9 June 2005 in Brest/France, 4th EuroGOOS Conference: ANIMATE: Quality control of data from multidisciplinary moorings in the Northeast Atlantic.
- Körtzinger, A.**, R.S. Lampitt, J. Schimanski, U. Send, T. Steinhoff, and D.W.R. Wallace: 6-9 June 2005 in Brest/France, 4th EuroGOOS Conference: ANIMATE: Seasonal cycle of the CO₂ partial pressure in surface waters of the eastern North Atlantic Ocean.
- Lampitt, R.S., **A. Körtzinger**, M.G. Villagarcía, S.U. Hartman, J. Karstensen, and U. Send: 6-9 June 2005 in Brest/France, 4th EuroGOOS Conference: ANIMATE: Diurnal cycles in the upper ocean at the Porcupine Abyssal Plain observatory (Northeast Atlantic Ocean).
- Lüger, H., D.W.R. Wallace, **A. Körtzinger**, and R. Wanninkhof: 24-29 April 2005 in Vienna/Austria, General Assembly 2005 of the European Geosciences Union: Seasonal Cycles of *p*CO₂ and CO₂ fluxes in the North Atlantic Ocean north of 40°N.
- Hill, K.L., C. Sabine, R.A. Feely, B. Tilbrook, **A. Körtzinger**, K. Lee, and M. Hood: 10-12 May 2004 in Paris/France, International Science Symposium “The Ocean in a High CO₂ World”: “CLIVAR’s Contribution to Global Carbon Research – Cross-project Ocean Carbon Activities”.
- Körtzinger, A.**, J. Schimanski, and U. Send: 13-16 Sept. 2004 in Kiel/Germany, CLIVAR Workshop on North Atlantic Thermohaline Circulation Variability: High-precision oxygen measurements from profiling floats.
- DeGrandpre, M.D., U. Send, **A. Körtzinger**, D.W.R. Wallace, and R.G.J. Bellerby: 13-16 Oct. 2004 in Halifax/Canada, Solas Open Science Conference: Sea Surface *p*CO₂ and Deep Convection in the Labrador Sea.
- Schimanski, J., and **A. Körtzinger**: 13-16 Oct. 2004 in Halifax/Canada, SOLAS Open Science Conference: High-precision oxygen measurements from profiling floats.
- Friis, K., **A. Körtzinger**, L. Mintrop, and D.W.R. Wallace: 1-5 Oct. 2001 in Sendai/Japan, 6th International CO₂ Conference: On the temporal increase of anthropogenic CO₂ in the subpolar North Atlantic Gyre.
- Körtzinger, A.**, W. Koeve, P. Kähler, and L. Mintrop: 20-24 Feb. 2000 in Damp/Germany, SOLAS Open Science Conference: C:N Ratios in the mixed layer during the productive season in the Northeast Atlantic Ocean.
- Mintrop, L., F.F. Perez, M. Gonzalez-Davila, **A. Körtzinger**, A.F. Rios, and J.M. Santana-Casiano: 18-22 Jan. 1999 in Tsukuba/Japan, 2nd Symposium CO₂ in the Oceans: Regional studies: The CO₂ system in the Canary Islands region.
- Mintrop, L., F.F. Pérez, M. Gonzalez-Davila, **A. Körtzinger**, A.F. Rios, and J.M. Santana-Casiano: 10-12 Feb. 1999 in Vigo/Spain, CANIGO SPII Meeting: The carbon dioxide system in the Canary Islands region.
- Mintrop, L., **A. Körtzinger**, E. Lewis, C. Neill, K.-P. Koltermann, and D.W.R. Wallace: 25-29 May 1998 in Halifax/Canada, Ocean Circulation and Climate – The 1998 Conference of the World Ocean Circulation Experiment: The carbon dioxide system along WOCE line A2.

- Körtzinger, A.**, L. Mintrop, and J.C. Duinker: 8-12 Sept. 1997 in Cairns/Australia, 5th International CO₂ Conference: International At-sea Intercomparison of Underway *p*CO₂ Systems.
- Körtzinger, A.**, L. Mintrop, and J.C. Duinker: 5-6 Dec. 1997 in Bremen/Germany, 6th German JGOFS-Workshop: Anthropogenes CO₂ im Nordatlantik.
- Mintrop, L., **A. Körtzinger**, and J.C. Duinker: 5-6 Dec 1997 in Bremen/Germany, 6th German JGOFS-Workshop: JGOFS – Die Steuerfunktion des Karbonatsystems für die CO₂-Aufnahme durch den Ozean.
- Körtzinger, A.**, L. Mintrop, and J.C. Duinker: 12-16 Feb. 1996 in San Diego/USA, American Society of Limnology and Oceanography, Ocean Sciences Meeting: Extremely high surface *f*CO₂ associated with upwelling during 1995 SW monsoon in the Arabian Sea.
- Körtzinger, A.**, L. Mintrop, and J.C. Duinker: 27-28 Nov. 1996 in Bremen/Germany, 5th German JGOFS-Workshop: International Intercomparison Exercise of underway *p*CO₂ systems.
- Körtzinger, A.**, L. Mintrop, and J.C. Duinker: 27-28 Nov. 1996 in Bremen/Germany, 5th German JGOFS-Workshop: Characteristic patterns of surface *p*CO₂ during 1995 SW monsoon in the Arabian Sea.
- Mintrop, L., **A. Körtzinger**, and J.C. Duinker: 27-28 Nov. 1996 in Bremen/Germany, 5th German JGOFS-Workshop: The Carbon Dioxide System of the Arabian During South-West Monsoon.
- Mintrop, L., **A. Körtzinger**, and J.C. Duinker: 8-12 May 1995 in Villefranche-Sur-Mer/France, 1st International Scientific JGOFS Symposium: Uptake of anthropogenic CO₂ by the North Atlantic Ocean.
- Mintrop, L., **A. Körtzinger**, and J.C. Duinker: 20-21 Nov. 1995 in Bremen/Germany, 4th German JGOFS-Workshop: Uptake of anthropogenic CO₂ by the North Atlantic Ocean.
- Körtzinger, A.**, L. Mintrop, and J.C. Duinker: 5-6 Dec. 2005 in Bremen/Germany, 3rd German JGOFS-Workshop. Entwicklung eines automatisierten Meßsystem für den CO₂-Partialdruck im Oberflächenwasser.
- Körtzinger, A.**, U. Lundgreen, and J.C. Duinker: 18-19 Nov. 1993 in Bremen/Germany, 2nd German JGOFS-Workshop. Tiefsee-Tauchbooteinsatz zur Bergung von JGOFS-Verankerungen.
- Körtzinger, A.**: 1-2 Dec. 1992 in Bremen/Germany, 1st German JGOFS-Workshop. Der Vertikaltransport von Fettsäuren im Nordatlantik – Einfluss von Abbauvorgängen auf die Flussbestimmung.

Oral Presentations

- Körtzinger, A.: 29 November 2011 in Frascati/Italy, Cost Action 735 Final Event: “The ocean's source/sink function for CO₂ (and N₂O) – current knowledge, new approaches, future observation strategies” (invited).
- Körtzinger, A.: 13 September 2011 in Paris/France, IOCCP Surface Ocean CO₂ Data-to-Flux Workshop: “Recent instrument and sensor developments for marine carbon observations” (invited).
- Körtzinger, A.: 5 September 2011 in Bremen/Germany, GDCh-Wissenschaftsforum Chemie 2011, German-Chinese Symposium ‘Chemistry and Water’: “The Anthropogenically Perturbed Marine Carbon Cycle – Status, Trends, and New Observational Approaches” (invited).
- Körtzinger, A.: 13 May 2011 in Warnemünde/Germany, Colloquium on the occasion of the 65th birthday of Dr. Bernd Schneider: “Taking the pulse of the ocean’s CO₂ system” (invited).
- Körtzinger, A.: 29 April 2011 in Palisades, New Jersey/USA, Lamont-Doherty Earth Observatory, Columbia University, Earth Science Colloquium: “Oxygen in the Ocean – Dynamics, Trends and New Observational Approaches” (invited).
- Körtzinger, A., H.W. Bange, and T. Steinhoff: 8. Nov. 2010 in Lima/Peru, Workshop on "Air-sea gas fluxes in Eastern Boundary Upwelling Systems (EBUS) and Oxygen Minimum Zones (OMZs)": “Net community production in the Mauritanian Upwelling estimated with a dual trace gas approach using CO₂ and N₂O” (invited).
- Körtzinger, A.: 8 Sept. 2010 in Southampton/UK, 14th Biennial Challenger Conference for Marine Sciences: “The marine carbon cycle in a changing world – key questions and future perspectives (keynote address)” (invited).
- Körtzinger, A.: 26 Feb. 2010 in Portland, Oregon/USA, Ocean Sciences Meeting: “Oxygen and carbon observations from floats and gliders - technological achievements and science showcases” (IT-51A-03, invited).
- Körtzinger, A.: 23 Sept. 2009 in Venice/Italy, ‘OceanOb’09’ Conference: “Assessment of the current ocean carbon sink and its implications for future climate change and mitigation” (invited).
- Körtzinger, A.: 17 July 2009 in Monte Verità/Switzerland, Symposium ‘Decadal Variations of the Ocean's Interior Carbon Cycle: Synthesis and Vulnerabilities (keynote)’: “Towards a future carbon observing system” (invited).
- Körtzinger, A.: 29 April 2009 in Monterey, California/USA, OCB Scoping Workshop ‘Observing Biogeochemical Cycles at Global Scales with Profiling Floats and Gliders’: “Oxygen and CO₂ measurements from profiling floats” (invited).
- Körtzinger, A.: 19 Dec. 2008 in Hamburg/Germany, Biogeochemical Seminar of the CLISAP Excellence Cluster, ZMAW: “Observing the changing marine carbon cycle” (invited).
- Körtzinger, A.: 9 Oct. 2008 in Kiel/Germany, Bi-annual Symposium “Future Ocean”: “CO₂ Sequestration I: What is the (natural) oceanic sequestration potential?” (invited).
- Körtzinger, A.: 2 July 2008 in Kiel/Germany, AquaLife 2008 Workshop: “Measuring surface ocean CO₂ partial pressure from autonomous platforms” (invited).
- Körtzinger, A.: 9 May 2008 in Cape Town/South Africa, 1st South African SOLAS/IMBER International Science Meeting: “Oceanic oxygen depletion and Eastern Boundary Upwelling Ecosystems – are we bound for trouble?” (invited).

- Körtzinger, A.: 26 Nov. 2007 in Hamburg/Germany, Federal Maritime and Hydrographic Agency of Germany, Status Seminar of German ARGO: "O₂ measurements from profiling floats – towards an ARGO Oxygen Program" (invited).
- Körtzinger, A.: 23 April 2007 in Missoula, Montana/USA, University of Montana, Department of Chemistry Seminar Series: "Oxygen – the oceanographers' canary bird of climate change - or when chemical oceanography comes full circle" (invited).
- Körtzinger, A.: 8 Jan. 2007 in Mindelo, São Vicente/Cape Verde, Cape Verde Atmospheric Observatory Workshop 'Integrated, long-term ocean-atmosphere observations in the tropical Atlantic': "CO₂, O₂, N₂O from tropical upwelling regions".
- Körtzinger, A.: 4 Dec. 2006 in Maspalomas, Gran Canaria/Spain, 2nd Annual CarboOcean Meeting: "Oceanic oxygen: The oceanographer's canary bird of climate change".
- Körtzinger, A.: 12 Oct. 2006 in Hamburg/Germany, special colloquium on the 50th anniversary of the Institute for Physical Oceanography: „Oxygen – the oceanographers' canary bird of climate change - or when chemical oceanography comes full circle“ (invited).
- Körtzinger, A.: 31 Aug. 2006 in Seattle, Washington/USA, special seminar co-sponsored by Program on Climate Change: "Oceanic oxygen: The oceanographer's canary bird of climate change" (invited).
- Körtzinger, A., D. Gilbert, S. Riser: 18 March 2006 in Venice/Italy, 2nd ARGO Science Workshop: "Biogeochemical Observations from Profiling Floats - The Oxygen Success Story and More to Come."
- Körtzinger, A.: 5 Jan. 2006 in St. Petersburg, Florida/USA, Alliance for Coastal Technologies, Workshop 'Dissolved Oxygen Sensors': "Oxygen measurements with lifetime based optodes: Performance results from float deployments" (invited).
- Körtzinger, A.: 8 June 2005 in Hamburg/Germany, Meeresumwelt-Symposium 2005 „Aktuelle Probleme der Meeresumwelt': "Der Ozean im Zeitalter des Anthropozäns – eine Betrachtung aus biogeochemischer Perspektive" (invited).
- Körtzinger, A.: 15 Jan. 2004 in Tsukuba/Japan, Workshop on Ocean Surface pCO₂, Data Integration and Database Development: „The 1996 pCO₂ Intercomparison Experiment“.
- Körtzinger, A.: 21 Jan. 2003 in Warnemünde/Germany, Institute for Baltic Sea Research: „Der Kohlenstoffkreislauf und seine anthropogene Störung – eine Betrachtung aus mariner Perspektive“ (invited).
- Körtzinger, A.: 22 Jan 2002 in Hamburg/Germany, Institute for Marine Research: „Auf der Suche nach dem anthropogenen CO₂ im Ozean – Moderne Methoden und neuere Ergebnisse“ (invited).
- Körtzinger, A., R. Sonnerup, and P.D. Quay: 4. Oct. 2001 in Sendai/Japan, 6th International CO₂ Conference: The relationship between anthropogenic CO₂ and the ¹³C Suess effect in the North Atlantic Ocean.
- Körtzinger, A.: 20 July 2001 in Kiel/Germany, Institute for Marine Research: "Biogeochemie im Zeichen des globalen Wandels: Neue Ergebnisse und zukünftige Forschungsideen" (Inaugural Lecture).
- Körtzinger, A.: 20.11.2000 in Bremerhaven/Germany, Alfred-Wegener-Institut for Polar and Marine Research, Carbon Group Seminar: „Neue Ergebnisse zu den Redfield-Verhältnissen“ (invited).
- Körtzinger, A.: 8 Sept. 2000 in Concepción./Chile, Departamento de Oceanografía, Universidad de Concepción: "Redfield Ratios Revisited – A neverending Story?" (invited).

- Körtzinger, A.: 26 June 2000 in Sidney, British Columbia/Canada, Institute for Ocean Sciences, IOS Seminar: “Redfield Ratios Revisited – A neverending Story?” (invited).
- Körtzinger, A.: 11 May 2000 in Kiel/Germany, Institute for Marine Research, Sonderkolloquium: “Redfield ratios revisited oder Gottes Werk und Teufels Beitrag“ (invited).
- Körtzinger, A.: 9 April 1999 in Seattle/U.S.A., University of Washington, School of Oceanography, Colloquium: “On the development of mixed layer C:N ratios during the productive season in the Northeast Atlantic Ocean” (invited).
- Körtzinger, A., L. Mintrop, M. Rhein, H. Erlenkeuser, P.M. Grootes, and D.W.R. Wallace: 27 Jan. 1999 in Kaohsiung/Taiwan, Conference on the Marine Environment – Past, Present and Future: “On the CO₂ system and the penetration of anthropogenic CO₂ in the subpolar North Atlantic Ocean” (invited).
- Körtzinger, A., and L. Mintrop: 21 Jan. 1999 in Tsukuba/Japan, 2nd Symposium CO₂ in the Oceans: “International At-Sea Intercomparison of *f*CO₂ Systems: Comparison of *f*CO₂ results”.
- Körtzinger, A.: 10 April 1996 in Bremerhaven/Germany, Alfred-Wegener-Institute for Polar and Marine Research: “Die Rolle des Nordatlantiks für die Aufnahme von anthropogenem CO₂” (invited).
- Körtzinger, A., L. Mintrop, and J.C. Duinker: 26 Jan. 1996 in Mayagüez/Puerto Rico, Symposium CO₂ in the Oceans: “On the penetration depth and the inventory of anthropogenic CO₂ in the North Atlantic Ocean”.
- Körtzinger, A.: 21 June 1994 in Warnemünde/Germany, Institute for Baltic Sea Research: “Bergung von Tiefsee-Verankerungen mit den russischen Tauchbooten *MIR 1* und *MIR 2*” (invited).
- Körtzinger, A.: 18 April 1994 in Hamburg/Germany, Institute for Hydrobiology and Fisheries: “Tiefsee-Tauchbooteinsatz zur Bergung von JGOFS-Verankerungen” (invited).
- Körtzinger, A.: 17 March 1994 in Kiel/Germany, GEOMAR: “Tiefsee-Tauchbooteinsatz zur Bergung von JGOFS-Verankerungen – Vortrag und Video-Film” (invited).
- Körtzinger, A., and J.C. Duinker: 1 March 1994 in Kiel/Germany, Institute for Marine Research: “Tiefsee-Tauchbooteinsatz zur Bergung von JGOFS-Verankerungen” (invited).
- Körtzinger, A., and J.C. Duinker: 22 Sept. 1993 in Hamburg, SCOPE/UNEP Workshop: Particle Flux in the Ocean. “Evidence for dissolution of fatty acids in sediment traps – impact on flux estimates”.