

บรรณานุกรม

- กรมอุตุศาสตร์. (2547). แผนที่ประเทศไทย. กรุงเทพฯ: กองทัพเรือ.
- เปี่ยมศักดิ์ เมนะเศรษฐ. (2543). แหล่งน้ำกันปีกุหานลพิษ (พิมพ์ครั้งที่ 8). กรุงเทพฯ: จุฬาลงกรณ์มหาวิทยาลัย. 50-51.
- Archer, D., & Brovkin, V. (2008). The Millennial Atmospheric Lifetime of Anthropogenic CO₂. *Climatic Change*, 90, 283-297.
- Bashkin, V.N., & Pripitina, I.V. (2008). Carbon Cycle. In Jorgensen, S.E. (Ed.), *Global Ecology* (p. 129). Italy.
- Betts, A.K. (2010). *Greenhouse Gases and the Energy Balance of the Earth*. Retrieved June 12, 2011, from <http://alanbetts.com/understanding-climate-change/question/what-are-the-greenhouse-gases>.
- Blank, N. (2007). Impacts of Ocean Acidification on Shelled Pteropods in the Southern Ocean. *Biogeochemistry and Pollutant Dynamics*, 20.
- Boonphakdee, T., & Fujiwara, T. (2008). Temporal Variability of Nutrient Budgets in a Tropical River Estuary: the Bangpakong River Estuary, Thailand. *Environment Asia*, 1, 7-21.
- Boonphakdee, T., Kasai, A., Fujiwara, T., Sawangwong, P., & Cheevaporn, V. (2008). Combined Stable Carbon Isotope and C/N Ratios as Indicators of Source and Fate of Organic Matter in the Bangpakong River Estuary, Thailand. *Environment Asia*, 1, 28-36.
- Borges, A.V., Delille, B., & Frankignoulle, M. (2005). Budgeting Sinks and Sources of CO₂ in the Coastal Ocean: Diversity of Ecosystems Counts. *Geophysical Research Letters*, 32, L14601, doi:10.1029/2005GL023053.
- Borges, A.V., & Frankignoulle, M. (2002). Distribution and Air-Water Exchange of Carbon Dioxide in the Scheldt plume off Belgian coast. *Biogeochemistry*, 59, 41-67.
- Borges, A.V., Schiettecatte, L.S., Abril, G., Delille, B., & Gazeau, F. (2006). Carbon Dioxide in European Coastal Waters. *Estuarine Coastal and Shelf Science*, 70, 375-387.
- Carbon Dioxide Information Analysis Center. (2010). *Thailand CO₂ Emissions*. Retrieved November 7, 2011, from <http://cdiac.ornl.gov/trends/emis/tha.html>.
- Carlson, C.A., Bates, N.R., Hansell, D.A., & Steinberg, D.K. (2001). Carbon Cycle. In Turekian, K.K. (Ed.), *Climate and Oceans* (pp. 449-458). Italy.

- Chierici, M., Fransson, A., Turner, D.R., Pakhomov, E.A., & Froneman, P.W. (2004). Variability in pH, $f\text{CO}_2$, Oxygen and Flux of CO₂ in the Surface Water along a Transect in the Atlantic Sector of the Southern Ocean. *Deep-Sea Research II*, 51, 2773–2787.
- Copin-Montegut, C., Begovic, M., & Merlivat, L. (2004). Variability of the Partial Pressure of CO₂ on Diel to Annual Time Scales in the Northwestern Mediterranean Sea. *Marine Chemistry*, 85, 169-189.
- Evans, W., Hales, B., Strutton, P.G., & Lanson, D. (2012). Sea-Air CO₂ Fluxes in the Western Canadian Coastal Ocean. *Progress in Oceanography*.
- Fabry, V.J., Seibel, B.A., Feely, R.A., & Orr, J.C. (2008). Impacts of Ocean Acidification on Marine Fauna and Ecosystem Processes. *Marine Science*, 65, 414-432.
- Fagan, K.E., & Mackenzie, F.T. (2007). Air-Sea CO₂ Exchange in a Subtropical Estuarine-Coral Reef System, Kaneohe Bay, Oahu, Hawaii. *Marine Chemistry*, 106, 174-191.
- Foster, G.L. (2008). Seawater pH, $p\text{CO}_2$ and [CO₃²⁻] Variations in the Caribbean Sea over the last 130 kyr: A Boron Isotope and B/Ca Study of Planktic Foraminifera. *Earth Planetary Science Letters*, 271, 254-266.
- Frankignoulle, M., & Borges, A.V. (2001). European Continental Shelf as a Significant Sink for Atmospheric Carbon Dioxide. *Global Biogeochemical Cycles*, 15, 569-576.
- Friederich, G.E., Ledesma, J., Ulloa, O., & Chavez, F.P. (2008). Air-Sea Carbon Dioxide fluxes in the Coastal Southeastern Tropical Pacific. *Progress in Oceanography*, 79, 156-166.
- Garrison, T. (2007). *Oceanography*. Canada.
- Gledhill, D.K., Wanninkhof, R., Millero, F.J., & Eakin, M. (2008). Ocean Acidification of the Greater Caribbean Region 1996-2006. *Geophysical Research*, 113, C10031, doi:10.1029/2007JC004629.
- Gruber, N., Keeling, C.D., & Bates, N.R. (2002). Interannual Variability in the North Atlantic Ocean Carbon Sink. *Science*, 298, 2374-2378.
- Gypens, N., Lancelot, C., & Borges, A.V. (2004). Carbon Dynamics and CO₂ Air-Sea Exchanges in the Eutrophied Coastal Waters of the Southern Bight of the North Sea: a Modelling Study. *Biogeosciences*, 1, 147-157.

- Gypens, N., Lacroix, G., Lancelot, C., & Borges, A.V. (2011). Seasonal and Inter-Annual Variability of Air-Sea Fluxes and Seawater Carbonate Chemistry in the Southern North Sea. *Progress in Oceanography*, 88, 59-77.
- Hardman-Mountford, N., Litt, E., Mangi, S., Dye, S., Schuster, U., Bakker, D., & Watson, A. (2009). Ocean Uptake of Carbon Dioxide (CO₂). *MCCIP Briefing Notes*, 9.
- Hilligsoe, K. M., Richardson, K., Bendtsen, J., Sorensen, L., Nielsen, G., & Lyngsgaard, M.M. (2011). Linking Phytoplankton Community Size Composition with Temperature, Plankton Food Web Structure and Sea-Air CO₂ Flux. *Deep-Sea Research I*, 58, 826-838.
- Hjalmarsson, S., Chierici, M., & Anderson, L.G. (2010). Carbon Dynamics in a Productive Coastal Region-The Skagerrak. *Journal of Marine Systems*, 82, 245-251.
- Houghton, J.T. (2004). *Global Warming*. UK: Cambridge University Press.
- Isidoro-Martinez. (2010). *Mass Diffusivity Data*. Retrieved January 7, 2011, from <http://webserver.dmt.upm.es/~isidoro/dat1/Mass%20diffusivity%20data.htm>.
- Jutterstrom, S., & Anderson, L.G. (2010). Uptake of CO₂ by the Arctic Ocean in a Changing Climate. *Marine Chemistry*, 122, 96-104.
- Koffi, U., Lefevre, N., Kouadio, G., & Boutin, J. (2010). Surface CO₂ Parameters and Air-Sea CO₂ Flux Distribution in the Eastern Equatorial Atlantic Ocean. *Journal of Marine Systems*, 82, 135-144.
- Krasakopoulou, E., Rapsomanikis, S., Papadopoulos, A., & Papathanassiou, E. (2009). Partial Pressure and Air-Sea Flux in the Aegean Sea during February 2006. *Continental Shelf Research*, 29, 1477-1488.
- Kristensen, E. (2000). Organic Matter Diagenesis at the Oxic/Anoxic Interface in Coastal Marine Sediments, with Emphasis on the Role of Burrowing Animals. *Hydrobiologia*, 426, 1-24.
- Langmuir, D. (1997). *Aqueous Environmental Geochemistry*. USA: Prentice-Hall.
- Le Quere, C., Rodenbeck, C., Buitenhuis, E.T., Conway, T.J., Lagenfelds, R., Gomez, A., Labuschagne, C., Ramonet, M., Nakazawa, T., Metzl, N., Gillent, N., & Heimann, M. (2007). Saturation of the Southern Ocean CO₂ Sink due to Recent Climate Change. *Science*, 316, 1735-1738.

- Lewis, E., & Wallace, D.W.R. (1998). *Program Developed for CO₂ System Calculations*. ORNL/CDIAC-105. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory. U.S. Department of Energy, Oak Ridge, Tennessee.
- Liqi, C., Zhongyong, G., Weiqiang, W., & Xulin, Y. (2004). Characteristics of *pCO₂* in Surface Water of the Bering Abyssal Plain and their Effects on Carbon Cycle in the Western Arctic Ocean. *Science in China*, 47, 1035-1044.
- Lirdwitayaprasit, T., Meksumpun, S., Rungsupa, S., & Furuya, K. (2006). Seasonal Variation in cell Abundance of *Noctiluca Scintillans* in the Coastal Waters off Chonburi Province, the Upper Gulf of Thailand. *Coastal Marine Science*, 30, 80-84.
- Mcneil, B.J., & Matear, R. (2006). Projected Climate Change Impact on Oceanic Acidification. *Carbon Balance and Management*, 6.
- Murata, A., & Takizawa, T. (2003). Summertime CO₂ Sink in Shelf and Slope Waters of the Western Arctic Ocean. *Continental Shelf Research*, 23, 753-776.
- Nomura, D., Eicken, H., Gradinger, R., & Kunio, S. (2010). Rapid Physically Driven Inversion of the Air-Sea Ice CO₂ Flux in the Seasonal Landfast Ice off Barrow, Alaska after onset of Surface Melt. *Continental Shelf Research*, 30, 1988-2004.
- Onpankoon, S., Boonphakdee, T., Laoharajanaphand, S., & Chantarachot, W. (2012). Stable Carbon and Nitrogen Isotope Compositions of Organic Matter in Sediment in the Inner Gulf of Thailand. In *Proceeding of the 14th Asia Pacific Confederation of Chemical Engineering Congress in February 21-25* (pp. 844-845).
- Reimer, E.M., Mikolajewicz, U., & Winguth, A. (1996). Future Ocean Uptake of CO₂: Interaction Between Ocean Circulation And Biology. *Climate Dynamic*, 12, 711-721.
- Rysgaard, S., Mortensen, J., Juul-Pedersen, T., Sorensen, L.L., Lennert, K., Sogaard, D.H., Arendt, K.E., Blicher, M.E., Sejr, M.K., & Bendtsen, J. (2012). High Air-Sea CO₂ Uptake Rate in Nearshore and Shelf Areas of Southern Greenland: Temporal and Spatial Variability. *Marine Chemistry*, 128-129, 26-33.
- Sabine, C.L., Feely, R.A., Gruber, N., Key, R.M., Lee, K., Bullister, J.L., Wanninkhof, R., Wong, C.S., Wallace, D.W.R., Tilbrook, B., Millero, F.J., Peng, T., Kozyr, A., Ono, T., & Rios, A.F. (2004). The Oceanic Sink for Anthropogenic CO₂. *Science*, 305, 367-371.

- Schiettecatte, L.S., Thomas, H., Bozec, Y., & Borges, A.V. (2007). High Temporal Coverage of Carbon Dioxide Measurements in the Southern Bight of the North Sea. *Marine Chemistry*, 106, 161-173.
- Souza, M.F.L., Gomes, V.R., Freitas, S.S., Andrade, R.C.B., & Knoppers, B. (2009). Net Ecosystem Metabolism and Nonconservative Fluxes of Organic Matter in a Tropical Mangrove Estuary, Piaui River (NE of Brazil). *Estuaries and Coasts*, 32, 111-122.
- Strickland, J.D.H., & Parsons, T.R. (1977). *A Practical Handbook of Seawater Analysis*. Canada: Minister of Supply and Services.
- Taguchi, F., & Fujiwara, T. (2010). Carbon Dioxide Stored and Acidified Low Oxygen Bottom Waters in Coastal Seas, Japan. *Estuarine, Coastal and Shelf Science*, 86, 429-433.
- Takahashi, T. (2001). Carbon Dioxide (CO_2) Cycle. In Turekian, K.K. (Ed.), *Climate and Oceans* (pp. 459-466). Italy.
- Torres, R., & Ampuero, P. (2009). Strong CO_2 Outgassing from High Nutrient Low Chlorophyll Coastal Waters off Central Chile (30°S): The Role of Dissolved Iron. *Estuarine, Coastal and Shelf Science*, 83, 126-132.
- Turley, C., Findlay, H.S., Mangi, S., Ridgwell, A., & Schimdt, D.N. (2009). CO_2 and Ocean Acidification. *MCCIP Ecosystem Linkages Report Card 2009*, 25.
- Volland, W. (2011). *Solubility of Gases in Liquids*. Retrieved February 19, 2012, from <http://www.800mainstreet.com/9/0009-006-henry.html>.
- Wanninkhof, R., & McGillis, W.R. (1999). A Cubic Relationship between Air-Sea CO_2 Exchange and Wind Speed. *Geophysical Research Letters*, 26, 1889-1892.
- Weiss, R.F. (1974). Carbon Dioxide in Water and Seawater: the Solubility of a Non-Ideal Gas. *Marine Chemistry*, 2, 203-215.
- Xuelu, G., Jinming, S., Xuegang, L., Ning, L., & Huamao, Y. (2008). $p\text{CO}_2$ and Carbon Fluxes Across Sea-Air Interface in the Changjiang Estuary and Hangzhou Bay. *Chinese Journal of Oceanology and Limnology*, 26, 289-295.
- Xue, L., Zhang, L., Cai, W., & Jiang, L. (2011). Air-Sea CO_2 Fluxes in the Southern Yellow Sea: An Examination of the Continental Shelf Pump Hypothesis. *Continental Shelf Research*, 31, 1904-1914.

- Zhai, W., & Dai, M. (2009). On the Seasonal Variation of Air-Sea CO₂ Fluxes in the Outer Changjiang (Yangtze River) Estuary, East China Sea. *Marine Chemistry*, 117, 2-10.
- Zhai, W., Dai, M., Cai, W., Wang, Y., & Hong, H. (2005). The Partial Pressure of Carbon Dioxide and Air-Sea Fluxes in the Northern South China Sea in Spring, Summer and Autumn. *Marine Chemistry*, 96, 87-97.
- Zhang, L., Xue, M., & Liu, Q. (2012). Distribution and Seasonal Variation in the Partial Pressure of CO₂ During Autumn and Winter in Jiaozhou Bay: a Region of High Urbanization. *Marine Pollution Bulletin*, 64, 56-65.
- Zhang, L., Xue, L., Song, M., & Jiang, C. (2010). Distribution of the Surface Partial Pressure of CO₂ in the Southern Yellow Sea and its Controls. *Continental Shelf Research*, 30, 293-304.