

Citations

Wuebbles, D.J., D.W. Fahey, K.A. Hibbard, D.J. Dokken, B.C. Stewart, and T.K. Maycock (eds.). *Climate Science Special Report: Fourth National Climate Assessment, Volume I*. U.S. Global Change Research Program, Washington, DC, USA, doi: 10.7930/JODJ5CTG.

Amon RM, Budéus G, Meon B (2003) Dissolved organic carbon distribution and origin in the Nordic Seas: Exchanges with the Arctic Ocean and the North Atlantic. *J Geophys Res* 14: 1-17. www.agu.org/journals/jc/jc0307/2002JC001594/2002JC001594.pdf

Beal, C. M., Archibald, I., Huntley, M. E., Greene, C. H., & Johnson, Z. I. (2018). Integrating Algae with Bioenergy Carbon Capture and Storage (ABECCS) Increases Sustainability, *Earth's Future*, 6. <https://doi.org/10.1002/2017EF000704>

Calvin WH (2008) *Global Fever: How to Treat Climate Change*. London and Chicago: University of Chicago Press. faculty.washington.edu/wcalvin/bk14

Calvin WH (2008) Estimates for sequestering organic carbon via sinking sewage in oceans. [arXiv 0810.2275v1](https://arxiv.org/abs/0810.2275v1)

Calvin WH (2012a) *The Great Climate Leap*. [Amazon](https://www.amazon.com/dp/B009888888).

Calvin WH (2012b) *The Great CO2 Cleanup*. [Amazon](https://www.amazon.com/dp/B009888888).

Dai A, Trenberth KE, Qian T (2004) A global data set of Palmer Drought Severity Index for 1870–2002: Relationship with soil moisture and effects of surface warming. *J Hydrometeorology* 5:1117-1130. www.cgd.ucar.edu/cas/adai/papers/Dai_pdsi_paper.pdf

Diamond J (2003) *Collapse: How Societies Choose to Succeed or Fail*. New York: Viking.

Falkowski PG, Laws EA, Barber RT, Murray JW (2003). Phytoplankton and their role in primary, new, and export production. In M. J. Fasham (Ed), *Ocean Biogeochemistry* (ch.4). New York: Springer. www.ocean.washington.edu/people/faculty/jmurray/chap-04.pdf

Feely RA, Sabine CL, Takahashi T, Wanninkhof R (2001) Uptake and storage of carbon dioxide in the ocean: The global CO₂ survey. *Oceanography* 14:18-32. www.pmel.noaa.gov/pubs/outstand/feel2331/feel2331.shtml

Goyet C, Healy R, Ryan J, Kozyr A (2000) Global Distribution of Total Inorganic Carbon and Total Alkalinity below the Deepest Winter Mixed Layer Depths. ORNL Technical report NDP-076 at www.osti.gov/bridge/product.biblio.jsp?osti_id=760546

Charles H. Greene, The Winters of Our Discontent. [Scientific American](https://www.scientificamerican.com/article/the-winters-of-our-discontent/), December 2012

Greene CH, Baker DJ, Miller DH (2010) A very inconvenient truth. *Oceanography* 23:214-218. www.tos.org/oceanography/archive/23-1_greene.pdf

Greene, C.H., J.A. Francis, and B.C. Monger. 2013. Superstorm Sandy: A series of unfortunate events? *Oceanography* 26(1):8–9, doi.org/10.5670/oceanog.2013.11.

Greene, C. H., M. E. Huntley, I. Archibald, L. N. Gerber, D. L. Sills, J. Granados, C. M. Beal, and M. J. Walsh (2017), Geoengineering, marine microalgae, and climate stabilization in the 21st century, *Earth's Future*, 5, 278–284, doi:10.1002/2016EF000486.

Hansen J, et al (2008) Target atmospheric CO₂: Where should humanity aim? *Open Atmos Sci J* 2:217–231. doi:[10.2174/1874282300802010217](https://doi.org/10.2174/1874282300802010217)

Houghton RA (2007) Balancing the global carbon budget. *Ann Rev Earth Planet Sci* 35:313–347. [doi:10.1146/annurev.earth.35.031306.140057](https://doi.org/10.1146/annurev.earth.35.031306.140057)

Joshi M, Hawkins E, Sutton E, Lowe J, Frame D (2011) Projections of when temperature change will exceed 2°C above pre-industrial levels. *Nature Climate Change* 1:407-412, doi:[10.1038/nclimate1261](https://doi.org/10.1038/nclimate1261)

Lampitt RS, et al (2008) Ocean fertilization: a potential means of geoengineering? *Phil Trans Roy Soc A* 366:3919–3945. [doi: 10.1098/rsta.2008.0139](https://doi.org/10.1098/rsta.2008.0139)

Lovelock JW, Rapley CG (2007) Ocean pipes could help the Earth to cure itself. *Nature* 449:403. [doi:10.1038/449403a](https://doi.org/10.1038/449403a)

McNichol AP, Aluwihar LI (2007) The power of radiocarbon in biogeochemical studies of the marine carbon cycle: insights from studies of dissolved and particulate organic carbon (DOC and POC). *Chemical Reviews* 107:443-466, [doi:10.1002/chin.200724246](https://doi.org/10.1002/chin.200724246).

Miller AJ, Cayan DR, Barnett TP, Oberhuber JM (1994) The 1976-77 climate shift of the Pacific Ocean. *Oceanography* 7: 21–26. meteora.ucsd.edu/~miller/papers/shift.html

Oschlies A, Pahlow M, Yool A, Matear RJ (2010), Climate engineering by artificial ocean upwelling: Channelling the sorcerer's apprentice. *Geophys Res Lett* 37, L04701, doi:[10.1029/2009GL041961](https://doi.org/10.1029/2009GL041961)

Pitman AJ, Stouffer RJ (2006) Abrupt change in climate and climate models. *Hydrol. Earth Syst. Sci. Discuss.*, 3, 1745–1771. www.hydrol-earth-syst-sci-discuss.net/3/1745/2006/

Rahmstorf S (2006) Thermohaline Ocean Circulation. In: *Encyclopedia of Quaternary Sciences*, edited by S. A. Elias. Elsevier, Amsterdam. www.pik-potsdam.de/~stefan/Publications/Book_chapters/rahmstorf_eqs_2006.pdf

Rahmstorf S, Ganopolski A (1999) Long-term global warming scenarios computed with an efficient coupled climate model. *Climatic Change* 43: 353–367, doi:[10.1023/A:1005474526406](https://doi.org/10.1023/A:1005474526406)

Rhines PB (2006) Sub-Arctic oceans and global climate. *Weather* 61:109-118. doi:[10.1256/wea.223.05](https://doi.org/10.1256/wea.223.05)

Schlosser P, Bönisch G, Rhein M, Bayer R (1991) Reduction of deepwater formation in the Greenland Sea during the 1980s: Evidence from tracer data. *Science* 251:1054–1056. www.sciencemag.org/cgi/reprint/251/4997/1054.pdf

Sheehan J, Dunahay T, Benemann J, Roessler P (1996) A Look Back at the U.S. Department of Energy's Aquatic Species Program—Biodiesel from Algae, NREL/TP-580-24190. US DOE Technical Report. www1.eere.energy.gov/biomass/pdfs/biodiesel_from_algae.pdf

Strand S, Benford G (2009) Ocean sequestration of crop residue carbon: recycling fossil fuel carbon back to deep sediments. *Environ Sci & Tech* 43:1000-1007. doi:[10.1021/es801555](https://doi.org/10.1021/es801555)

Toggweiler JR, Murnane R, Carson S, Gnanadesikan A, Sarmiento JL (2003) Representation of the carbon cycle in box models and GCMs, 2, Organic pump. *Global Biogeochem Cycles* 17:1027, doi:[10.1029/2001GB001841](https://doi.org/10.1029/2001GB001841)

Våge K, et al (2009) Surprising return of deep convection to the subpolar North Atlantic Ocean in winter 2007–2008. *Nature Geoscience* 2:67–72. doi:[10.1038/ngeo382](https://doi.org/10.1038/ngeo382)