

- Contributing author, *Chapter 6, Carbon and Other Biogeochemical Cycles*. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change
- Contributing author, *Chapter 30 The Ocean*. In: Climate Change 2013: Impacts, Adaptation, and Vulnerability Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change
- Manuscript reviewer for *Nature Geoscience, Nature Climate Change, Journal of Geophysical Research, Geophysical Research Letters, Global Biogeochemical Cycles, Biogeosciences, Environmental Research Letters, Journal of Climate, Climate Dynamics, Geoscientific Model Development, Carbon Management, Mitigation and Adaptation of Strategies for Global Change, American Journal of Science, Earth System Dynamics, Earth Future*

Award

WMO (World Meteorological Organization) Norbert Gerbier-MUMM International Award (2014) for the paper of

Cao, L., G. Bala, and K. Caldeira (2012), Climate response to changes in atmospheric carbon dioxide and solar irradiance on the time scale of days to weeks, *Environmental Research Letters*, 7 034015 doi:10.1088/1748-9326/7/3/034015

Peer-reviewed publications

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Cao L., W. Shuangjing, Z. Meidi, Z. Han (2014), Sensitivity of ocean acidification and oxygen to the uncertainty in climate change *Environmental Research Letters*, 9(2014) 9 064005 doi:10.1088/1748-9326/9/6/064005

Cao L., Z. Han, Z. Meidi, W. Shuangjing, (2014), Response of ocean acidification to a gradual increase and decrease of atmospheric CO₂, *Environmental Research Letters*, 9(2014) 024012 doi:10.1088/1748-9326/9/2/024012

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