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CURRICULUM VITA

Research Scientist, CIRES
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EDUCATION

- 2012 Ph.D. in Oceanography; Texas A&M University, USA
Dissertation: The Role of the Ocean in the Atmospheric Budgets of Methyl Bromide, Methyl Chloride and Methane (Advisor: Shari Yvon-Lewis)
- 2007 B.S. in Chemistry; Ocean University of China, China

EMPLOYMENT HISTORY

- 2014-present Research Scientist
CIRES, University of Colorado-Boulder
NOAA/ESRL Global Monitoring Division
- 2012-2014 National Research Council Awarded Post-doctoral Fellow
NOAA/ESRL Global Monitoring Division
- 2007-2012 Research / Teaching Assistant
Department of Oceanography, Texas A& M University

PUBLICATIONS (by 07/13/2018)

- 2018 Montzka, S. A., G. S. Dutton, P. Yu, E. Ray, R. W. Portmann, J. S. Daniel, L. Kuijpers, B. D. Hall, D. Mondeel, C. Siso, J. D. Nance, M. Rigby, A. J. Manning, L. Hu, F. Moore, B. R. Miller, and J. W. Elkins (2018), An unexpected and persistent increase in global emissions of ozone-depleting CFC-11, *Nature*, 557, 413 – 417, doi: 10.1038/s41586-018-0106-2
- 2017 Hu, L., S. A. Montzka, S. J. Lehman, D. S. Godwin, B. R. Miller, A. E. Andrews, K. Thoning, J. B. Miller, C. Sweeney, C. Siso, J. W. Elkins, B. D. Hall, D. J. Mondeel, D. Nance, T. Nehrkorn, M. Mountain, M. L. Fischer, S. C. Biraud, H. Chen, and P. P. Tans (2017), Considerable contribution of the Montreal Protocol to declining greenhouse gas emissions from the United States, *Geophys. Res. Lett.*, 44, doi:10.1002/2017GL074388.
- 2016 SPARC (2016), SPARC Report on the Mystery of Carbon tetrachloride. Q. Liang, P.A. Newman, and S. Reimann (Eds.), SPARC Report No. 7, WCRP-13/2016, available at www.sparc-climate.org/publications/sparc-reports/sparc-report-no7.
Butler, J. H., S. A. Yvon-Lewis, J. M. Lobert, D. B. King, S. A. Montzka, J. L. Bullister, V. Koropalov, J. W. Elkins, B. D. Hall, L. Hu, and Y. Liu (2016), A comprehensive estimate for loss of atmospheric carbon tetrachloride (CCl₄) to the ocean, *Atmos. Chem. Phys.*, 16, 10899-10910, doi:10.5194/acp-16-10899-2016.
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- carbon tetrachloride from the U.S. nearly two decades after its phase-out for dispersive uses, *Proc. Natl. Acad. Sci.*, 113(11), 2880-2885, doi:10.1073/pnas.1522284113.
- 2015 Hu, L., S. A. Montzka, J. B. Miller, A. E. Andrews, S. J. Lehman, B. R. Miller, K. Thoning, C. Sweeney, H. Chen, D. S. Godwin, K. Masarie, L. Bruhwiler, M. L. Fischer, S. C. Biraud, M. S. Torn, M. Mountain, T. Nehrkorn, J. Eluszkiewicz, S. Miller, R. R. Draxler, A. F. Stein, B. D. Hall, J. W. Elkins, and P. P. Tans, (2015), U.S. emissions of HFC-134a derived for 2008–2012 from an extensive flask-air sampling network, *J. Geophys. Res. Atmos.*, 2014JD022617, doi:10.1002/2014JD022617.
- 2014 Montzka, S. A., M. McFarland, S. O. Andersen, B. R. Miller, D. W. Fahey, B. D. Hall, L. Hu, C. Siso, and J. W. Elkins (2014), Recent Trends in Global Emissions of Hydrochlorofluorocarbons and Hydrofluorocarbons: Reflecting on the 2007 Adjustments to the Montreal Protocol, *J. Phys. Chem. A*, 119(19), 4439-4449 doi:10.1021/jp5097376.
- 2013 Hu, L., S. A. Yvon-Lewis, J. H. Butler, J. M. Lobert, and D. B. King (2013), An improved oceanic budget for methyl chloride, *J. Geophys. Res. Oceans*, 118, 715–725, doi:10.1029/2012JC008196.
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- 2012 Hu, L. (2012), The role of the ocean in the atmospheric budgets of methyl bromide, methyl chloride and methane, Texas A&M University, College Station, TX, USA
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- Hu, L., S. A. Yvon-Lewis, J. D. Kessler, I. R. MacDonald (2012), Methane fluxes to the atmosphere from deepwater hydrocarbon seeps in the northern Gulf of Mexico, *J. Geophys. Res.*, 117, C01009, doi: 10.1029/2011JC007208.
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- 2011 Yvon-Lewis, S. A., L. Hu, and J. Kessler (2011), Methane flux to the atmosphere from the Deepwater Horizon oil disaster, *Geophys. Res. Lett.*, 38, L01602, doi: 10.1029/2010GL045928.
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- 2010 Hu, L., S. A. Yvon-Lewis, Y. Liu, J. E. Salisbury, J. E. O’Hern (2010), Coastal emissions of methyl bromide and methyl chloride along the eastern Gulf of Mexico and the east coast of the United States, *Global Biogeochem. Cycles*, 24, GB1007, doi:10.1029/2009GB003514.
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- Villanueva (2010), Propane respiration jump-starts microbial response to a deep oil spill, *Science*, 330, doi: 10.1126/science.1196830.
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- 2009 Hu, L., S. Liu, J. Ren, Y. Zhu, and J. Zhang (2009), Study on the distribution of acid volatile sulfide in sediments of coastal zone of the East China Sea, *Marine Environ. Sci.*, 28 (5), 482-486. (Chinese Journal)