

Biographical Sketch: Qinghua Ding

(a) Professional Preparation

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|------------------------------------|-------|--------------------|------------|
| • Nanjing Institute of Meteorology | China | Meteorology | 2000 BS. |
| • University of Hawaii at Manoa | USA | Meteorology | 2002 M.S. |
| • University of Hawaii at Manoa | USA | Meteorology | 2008 Ph.D. |
| • University of Hawaii at Manoa | USA | Post-doc (Climate) | 2008-2009 |
| • University of Washington | USA | Post-doc (Climate) | 2010-2012 |

(b) Appointments

- 2016-present Assistant Professor. Department of Geography, University of California Santa Barbara
- 2014-2016 Research Scientist/Senior. Polar Science Center, Applied Physics Laboratory, University of Washington.
- 2012-2013 Research Scientist. Department of Atmospheric Sciences, University of Washington.
- 2010-2012 Research Associate. Department of Earth and Space Sciences, University of Washington
- 2008-2009 Research Associate. Department of Meteorology, University of Hawaii at Manoa.
- 2000-2008 Research Assistant. Department of Meteorology, University of Hawaii at Manoa

(c) Products

Publications (5-Most relevant)

- Ding, Q., Schweiger A, L'Heureux M, Battisti DS, Po-Chedley S, Johnson NC, Blanchard-Wrigglesworth E, Harnos K, Zhang Q, Eastman R, Steig EJ. Influence of the recent high-latitude atmospheric circulation change on summertime Arctic sea ice. *Nature Climate Change*, 7, 289–295 (2017).
- Ding, Q, Wallace JM, Battisti DS, Steig EJ, Gallant A, Kim HJ, Geng L. Tropical forcing of the recent rapid Arctic warming in northeastern Canada and Greenland, *Nature*, 509, 209-212 (2014).
- Ding Q, Steig EJ. Temperature change on the Antarctic Peninsula linked to the tropical Pacific. *J. Climate*, 26, 7570-7585 (2013).
- Ding Q, Steig EJ, Battisti DS, Wallace JM. Influence of the tropics on the Southern Annual Mode. *J. Climate*, 25, 6330–6348 (2012).
- Ding Q, Steig EJ, Battisti DS, Kuttel M. Winter warming in West Antarctica caused by central tropical Pacific warming. *Nature Geoscience*, 4, 398-403 (2011).

Other 5 Selected Publications

- L'Heureux, M. L., Tippett, M. K., Kumar, A., Butler, A. H., Ciasto, L. M., Ding, Q., Johnson, N. C. Strong relations between ENSO and the Arctic Oscillation in

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- the North American Multimodel Ensemble. *Geophysical Research Letters*, 44, 11,654–11,662. <https://doi.org/10.1002/2017GL074854> (2017).
- Ding, Q, Q. Fu. A warming tropical central Pacific dries the lower stratosphere. *Climate Dynamics*, doi:10.1007/s00382-017-3774-y (2017).
 - Markle BR, Steig EJ, Buizert C, Shoenemann SW, Bitz CM, Fudge TJ, Pedro JB, Ding Q, Jones T, White JWC, Sowers T. Global atmospheric teleconnections during Dansgaard-Oeschger events. *Nature Geoscience*, 10, 36-40 (2017).
 - Bracegirdle TJ, Bertler N, Carleton AM, Ding Q, Fogwill CJ, Fyfe JC, Hellmer H, Karpeckho AY, Kusahara K, Larour E, Mayewski PA, Meier WN, Polvani LM, Russell J L, Stevenson SL, Turner J, van Wessem JM, van de Berg W, Wainer I. A multi-disciplinary perspective on climate model evaluation for Antarctica. *Bulletin of the American Meteorological Society* (2016).
 - Steig, EJ, Huybers K, Singh HA, Steiger NJ, Ding Q, Frierson DMW, Popp T, White JWC. Influence of West Antarctic Ice Sheet collapse on Antarctic surface climate. *Geophys. Res. Lett.*, 42, 4862–4868 (2015).

(d) Synergistic Activities

- Editor, 2013 Feb - 2018 Advances in Atmospheric Sciences, The Chinese Academy of Sciences (CAS).
- Associate Editor, 2016 August - Journal of Climate, the American Meteorological Society.